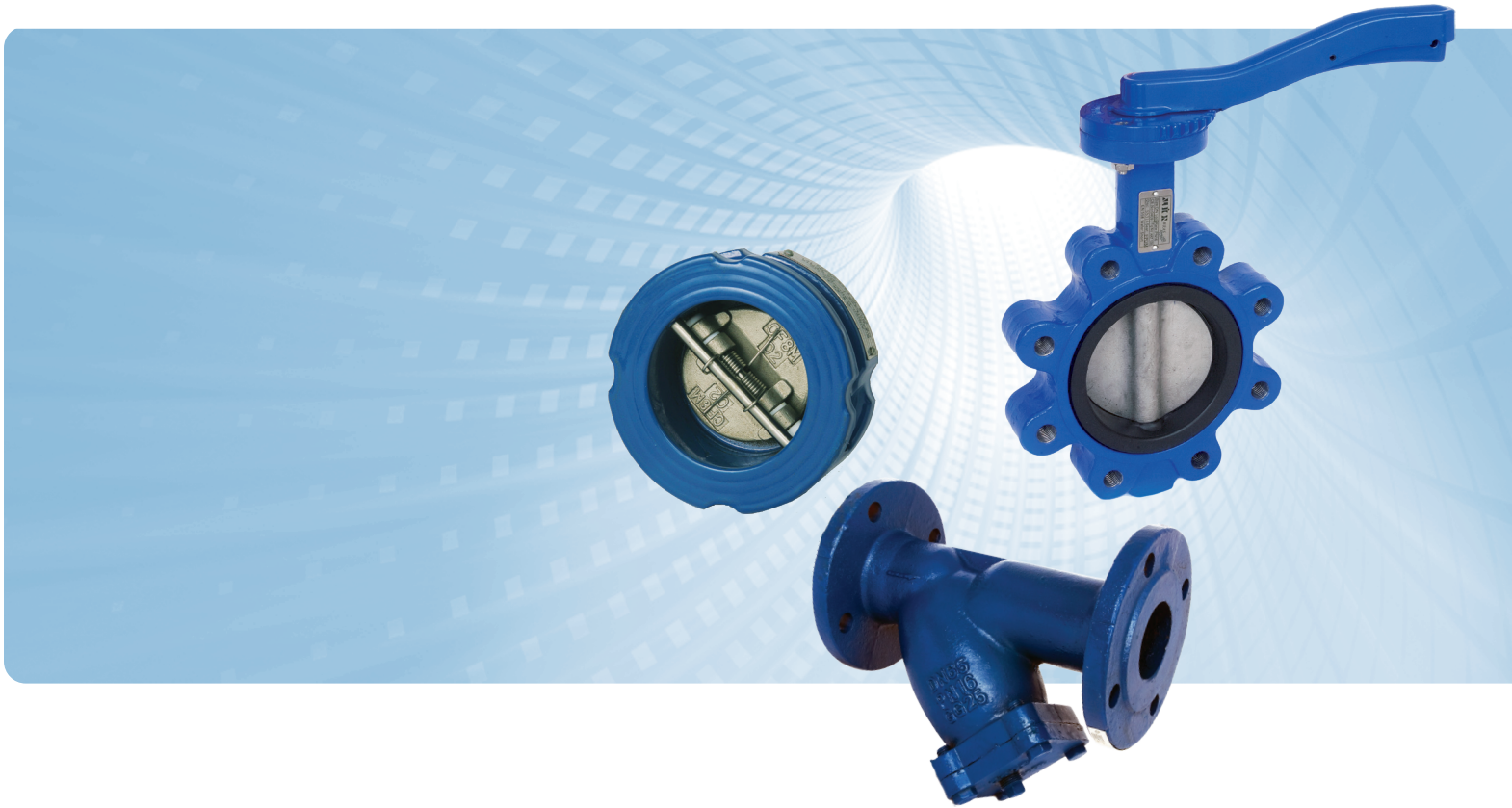
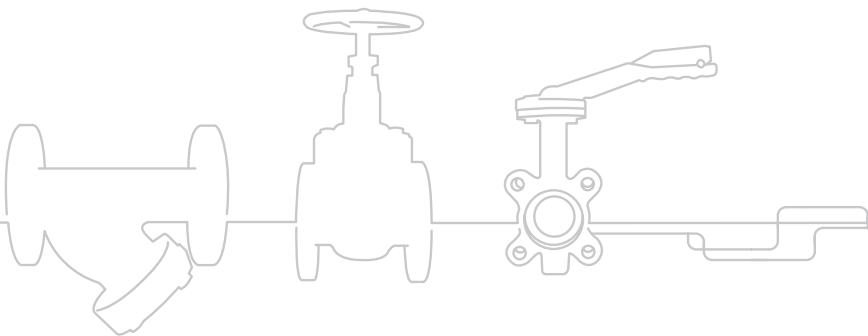


## Cast & Ductile Iron Valves



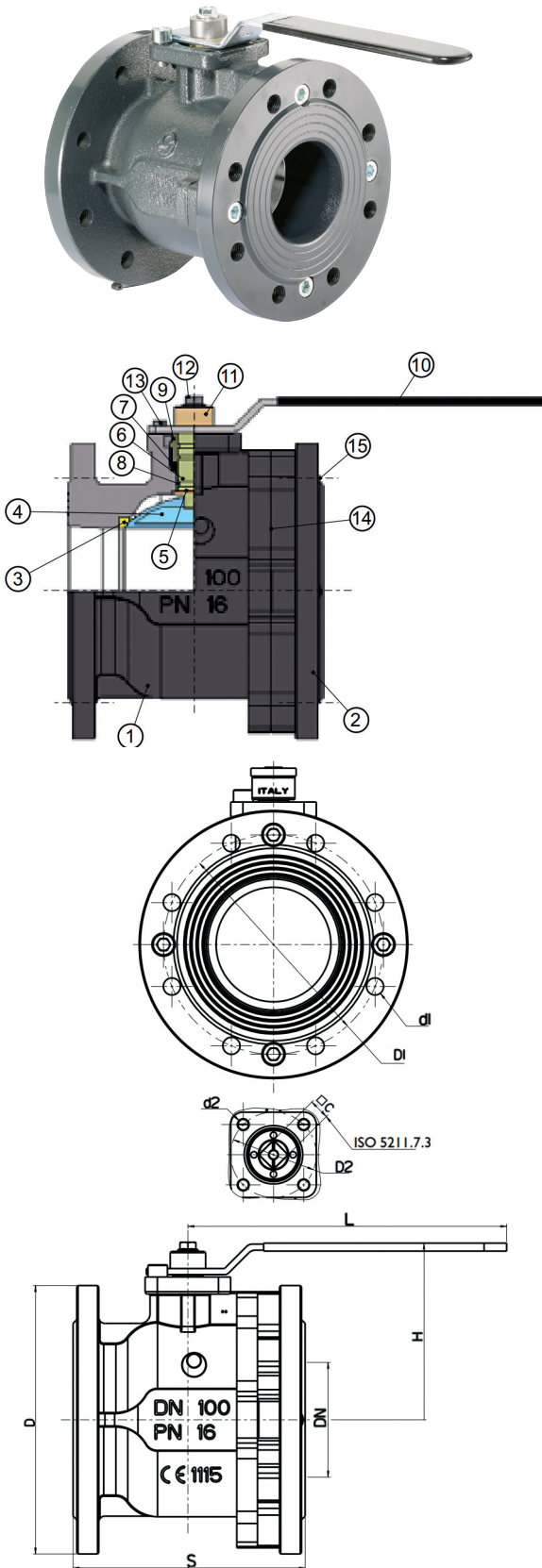
Product Information



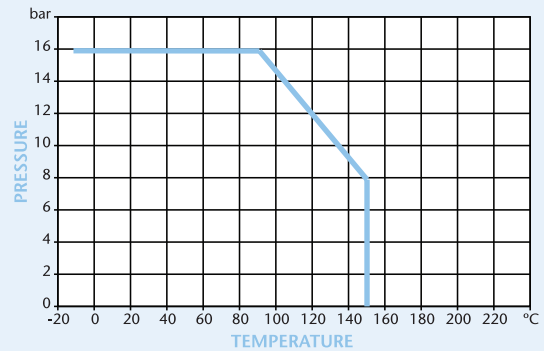
## Cast Iron Ball Valve Flanged Ends

### Features

- Flange Mounting PN16 Only
- ISO 5211 Direct Mount (Not 200mm)
- Art 77 Plated Brass
- BS EN 558-1 Series 14



### Pressure/Temperature



| DN     | 20    | 25    | 32    | 40    | 50    | 65    | 80    | 100   | 125   | 150    | 200   |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| Ø      | 20    | 25    | 32    | 40    | 50    | 61    | 74    | 95    | 120   | 145    | 200   |
| S      | 120   | 125   | 130   | 140   | 150   | 170   | 180   | 190   | 200   | 210    | 400   |
| H      | 73    | 77    | 82    | 92    | 99    | 121   | 130   | 144   | 185   | 204    | 325   |
| L      | 200   | 200   | 200   | 240   | 240   | 260   | 260   | 260   | 450   | 450    | 700   |
| D      | 105   | 115   | 140   | 150   | 165   | 185   | 200   | 220   | 250   | 285    | 340   |
| a      | 75    | 85    | 100   | 110   | 125   | 145   | 160   | 180   | 210   | 240    | 295   |
| ISO    | F04   | F04   | F04   | F05   | F05   | F07   | F07   | F07   | F10   | F10    | N/A   |
| ØF     | 42    | 42    | 42    | 50    | 50    | 70    | 70    | 70    | 102   | 102    | N/A   |
| □C     | 9     | 9     | 9     | 14    | 14    | 17    | 17    | 17    | 22    | 22     | N/A   |
| N-Mb   | 4xM12 | 4xM12 | 4xM16 | 4xM16 | 4xM16 | 4xM16 | 8xM16 | 8xM16 | 8xM16 | 12xM20 | 12x22 |
| Torque | 20    | 25    | 31,25 | 37,5  | 50    | 62,5  | 100   | 150   | 175   | 187,5  | N/A   |
| Kgs    | 3.0   | 3.8   | 5.4   | 6.0   | 7.5   | 12.0  | 14.5  | 18.2  | 32.0  | 39.5   | 94.0  |

| N. | Part Name   | Materials         |
|----|-------------|-------------------|
| 1  | Body        | Cast Iron GG25    |
| 2  | Flange      | Cast Iron GG25    |
| 3  | Seat        | PTFE              |
| 4  | Ball        | CP Brass          |
| 5  | Seal        | PTFE              |
| 6  | Stem        | Steel             |
| 7  | O-Ring      | HNBR              |
| 8  | Stem Seat   | PTFE              |
| 9  | Packing Nut | Brass             |
| 10 | Handle      | Steel PVC Coated  |
| 11 | Cap         | Brass             |
| 12 | Screw       | Steel Zinc Plated |
| 13 | Screw       | Steel Zinc Plated |
| 14 | O-Ring      | HNBR              |
| 15 | Screw       | Steel Zinc Plated |

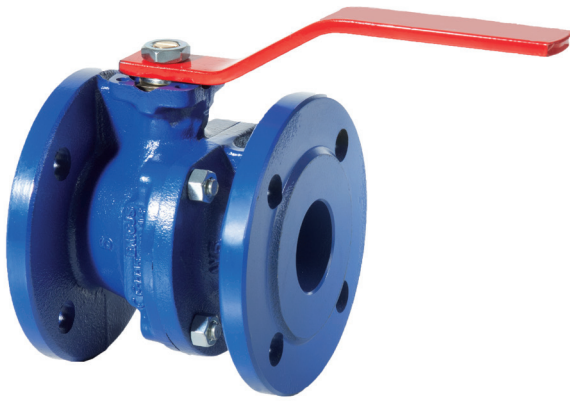
### Technical Data

Pressure 16 Bar

Working Temperature -10°C to +150°C

Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

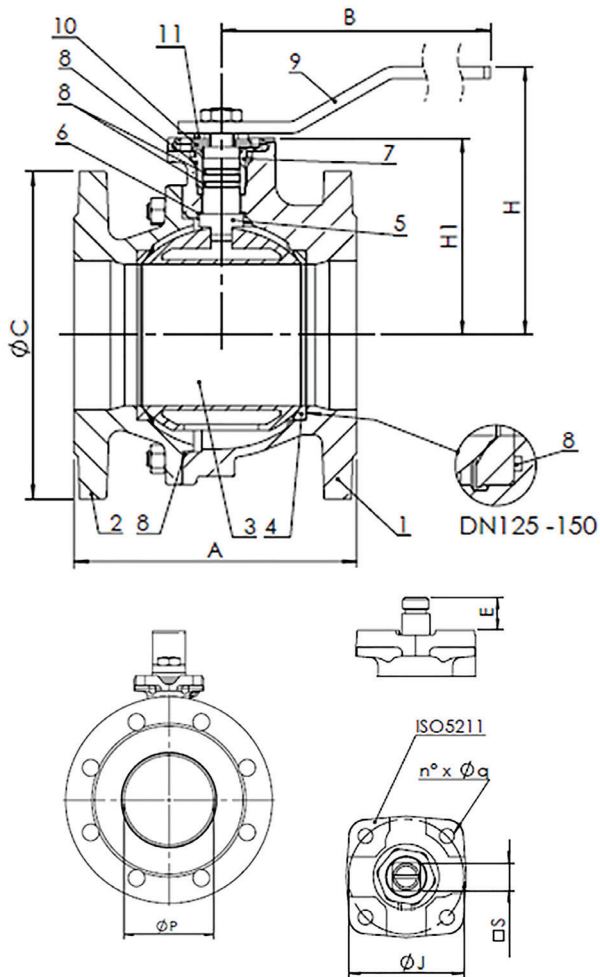
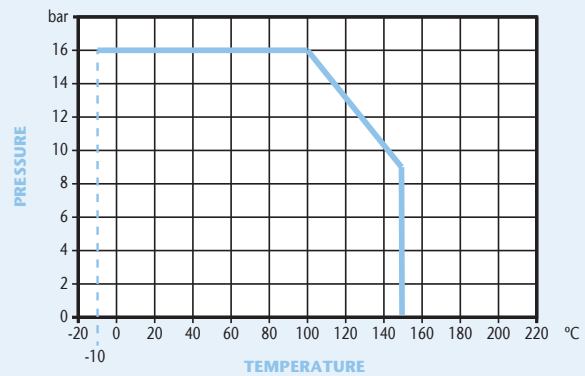


## Ductile Iron Ball Valve Flanged Ends

### Features

- Flange Mounting PN16 only
- ISO 5211 Direct Mount
- Inside and outside epoxy coating
- Optional lockable Lever
- Blow Out Proof Stem
- Chrome Plated Brass Ball

### Pressure / Temperature



| DN       | 15    | 20    | 25    | 32    | 40    | 50    | 65    | 80    | 100   | 125    | 150    | 200    |
|----------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| P        | 15    | 20    | 25    | 32    | 40    | 50    | 63    | 76    | 95    | 120    | 145    | 190    |
| A        | 115   | 120   | 125   | 130   | 140   | 150   | 170   | 180   | 190   | 200    | 210    | 400    |
| H        | 84    | 84    | 96    | 101   | 125   | 135   | 143   | 165   | 180   | 225    | 243    | 320    |
| H1       | 50.5  | 52    | 59    | 64    | 78.5  | 87    | 95    | 118   | 132.5 | 165    | 182.5  | 230    |
| B        | 160   | 160   | 170   | 170   | 230   | 230   | 230   | 280   | 360   | 450    | 560    | 1000   |
| C        | 95    | 105   | 115   | 140   | 150   | 165   | 185   | 200   | 220   | 250    | 285    | 340    |
| ISO 5211 | F04   | F04   | F04   | F04   | F05   | F05   | F05   | F07   | F07   | F10    | F10    | F12    |
| J        | 42    | 42    | 42    | 42    | 50    | 50    | 50    | 70    | 70    | 102    | 102    | 125    |
| N° x Øq  | 4 x 6 | 4 x 6 | 4 x 6 | 4 x 6 | 4 x 7 | 4 x 7 | 4 x 7 | 4 x 9 | 4 x 9 | 4 x 11 | 4 x 11 | 4 x 13 |
| E        | 11.5  | 11.5  | 14.5  | 14.5  | 17.5  | 17.5  | 17.5  | 20    | 20    | 24.5   | 24.5   | 27     |
| S        | □9    | □9    | □11   | □11   | □14   | □14   | □14   | □17   | □17   | □22    | □22    | □27    |
| Torque   | 15    | 15    | 18    | 18    | 18    | 20    | 40    | 70    | 100   | 180    | 250    | 600    |
| Kgs      | 2.6   | 3.3   | 4.2   | 5.8   | 7.5   | 9     | 10.5  | 15.5  | 18.5  | 28     | 38.5   | 93     |

\*Torque - Raw torque with no safety added

| N. | Part Name      | Material                |
|----|----------------|-------------------------|
| 1  | Body           | Ductile Iron            |
| 2  | Flange         | Ductile Iron            |
| 3  | Ball           | Brass Chrome Plated     |
| 4  | Ball seat      | PTFE                    |
| 5  | Stem           | Brass                   |
| 6  | Sliding washer | PTFE                    |
| 7  | Ring           | Brass                   |
| 8  | O-Ring         | Viton                   |
| 9  | Lever          | Carbon Steel            |
| 10 | Stop plate     | Carbon Steel Galvanised |
| 11 | Spring washer  | Carbon Steel Galvanised |

Drawing represents 15-150mm. For 200mm drawing contact the sales office.

### Technical Data

|                     |                 |
|---------------------|-----------------|
| Maximum Pressure    | 16 Bar          |
| Working Temperature | -10°C to +150°C |

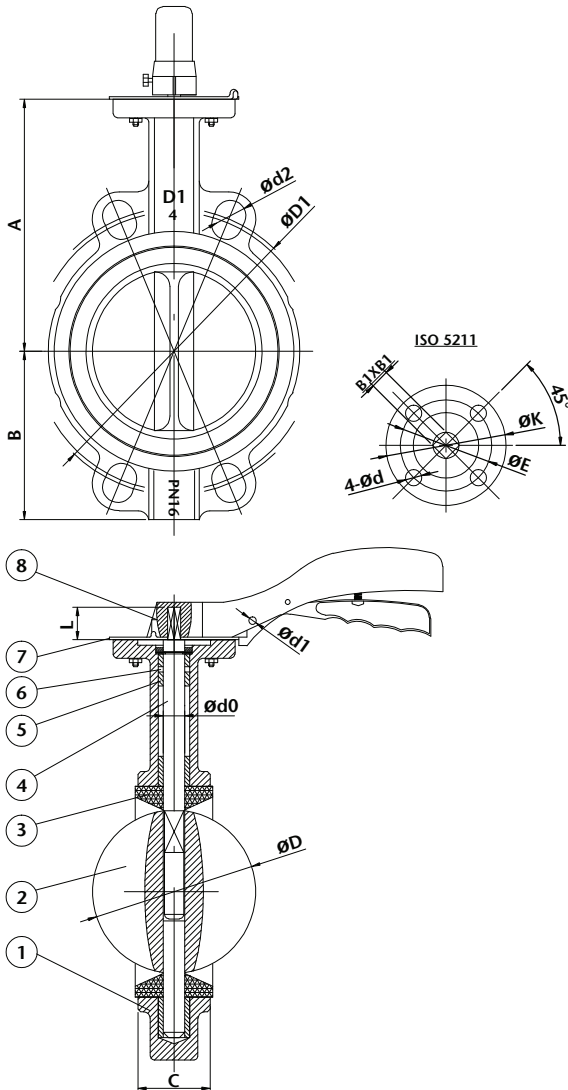
Dimensions in mm

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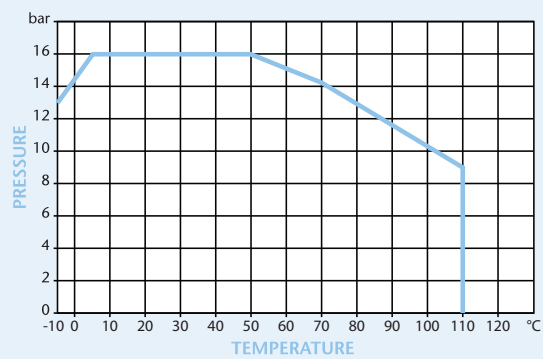
## Ductile Iron Butterfly Valve Wafer Type

### Features

- Universal Flange Mounting PN16 PN10 ASA150
- BS5155 (BS EN593)
- Lockable Handle
- Epoxy Coat Finish
- ISO 5211 Direct Mount



### Pressure/Temperature



| DN       | 2"   | 2 1/2" | 3"   | 4"    | 5"    | 6"    | 8"    | 10"   | 12"   |
|----------|------|--------|------|-------|-------|-------|-------|-------|-------|
| A        | 140  | 150    | 158  | 176   | 190   | 211   | 235   | 265   | 305   |
| B        | 80   | 89     | 95   | 114   | 127   | 139   | 175   | 203   | 242   |
| C        | 42   | 44.7   | 45.2 | 52    | 54.4  | 55.8  | 60.6  | 65.6  | 76.9  |
| D        | 52.9 | 64.5   | 78.8 | 104   | 123.3 | 155.1 | 202.5 | 250.5 | 301.5 |
| D1       | 125  | 145    | 160  | 180   | 210   | 240   | 295   | 355   | 410   |
| L        | 26   | 26     | 26   | 30    | 30    | 30    | 36    | 36    | 36    |
| d0       | 12.6 | 12.6   | 12.6 | 15.77 | 18.92 | 18.92 | 22.1  | 28.45 | 31.6  |
| d1       | 6    | 6      | 6    | 6     | 6     | 6     | 6     | 6     | 6     |
| d2       | 4x19 | 4x19   | 4x19 | 4x19  | 4x19  | 4x23  | 4x23  | 4x27  | 4x27  |
| ISO 5211 | F05  | F05    | F05  | F07   | F07   | F07   | F10   | F10   | F10   |
| K        | 65   | 65     | 65   | 90    | 90    | 90    | 125   | 125   | 125   |
| d        | 4x7  | 4x7    | 4x7  | 4x10  | 4x10  | 4x10  | 4x12  | 4x12  | 4x12  |
| B1       | 9    | 9      | 9    | 11    | 14    | 14    | 17    | 22    | 22    |
| Torque   | 15.1 | 17.2   | 23.1 | 39.8  | 61.9  | 102   | 192   | 323   | 490   |
| Kgs      | 2.50 | 2.90   | 4.00 | 4.95  | 7.05  | 8.30  | 13.70 | 20.25 | 29.60 |

| N. | Part Name | Materials           |
|----|-----------|---------------------|
| 1  | Body      | Ductile Iron GGG40  |
| 2  | Disc      | Stainless Steel 316 |
| 3  | Seat      | EPDM                |
| 4  | Stem      | Stainless Steel 410 |
| 5  | Bush      | PTFE                |
| 6  | O-Ring    | EPDM                |
| 7  | Indicator | Carbon Steel        |
| 8  | Lever     | Aluminium           |

We strongly advise gearbox on all 8", 10" and 12" valves.

### Technical Data

Pressure 16 Bar

Working Temperature -10°C to +110°C

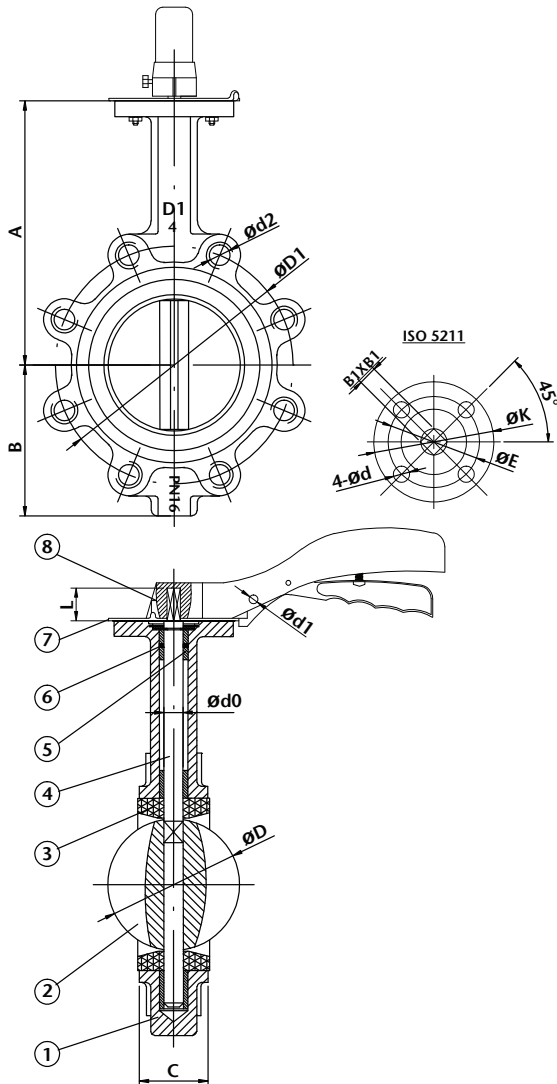
Dimensions in mm

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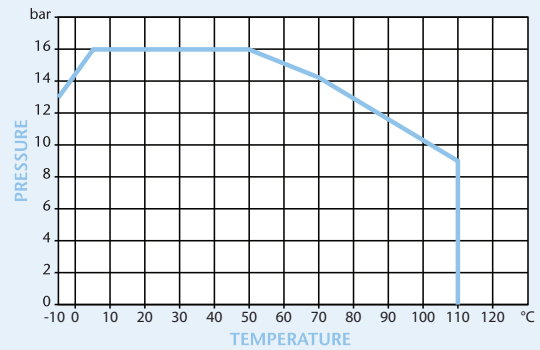
## Ductile Iron Butterfly Valve Lugged & Tapped Type

### Features

- Flange Mounting PN16 Only
- BS5155 (BS EN593)
- Lockable Handle
- Epoxy Coat Finish
- ISO 5211 Direct Mount



### Pressure/Temperature



| DN       | 2"   | 2 1/2" | 3"   | 4"    | 5"    | 6"    | 8"    | 10"   | 12"   |
|----------|------|--------|------|-------|-------|-------|-------|-------|-------|
| A        | 140  | 150    | 158  | 176   | 190   | 211   | 235   | 265   | 305   |
| B        | 80   | 89     | 95   | 114   | 127   | 139   | 175   | 203   | 242   |
| C        | 42   | 44.7   | 45.2 | 52    | 54.4  | 55.8  | 60.6  | 65.6  | 76.9  |
| D        | 52.9 | 64.5   | 78.8 | 104   | 123.3 | 155.1 | 202.5 | 250.5 | 301.5 |
| D1       | 125  | 145    | 160  | 180   | 210   | 240   | 295   | 355   | 410   |
| L        | 26   | 26     | 26   | 30    | 30    | 30    | 36    | 36    | 36    |
| d0       | 12.6 | 12.6   | 12.6 | 15.77 | 18.92 | 18.92 | 22.1  | 28.45 | 31.6  |
| d1       | 6    | 6      | 6    | 6     | 6     | 6     | 6     | 6     | 6     |
| d2       | 4x16 | 4x16   | 8x16 | 8x16  | 8x16  | 8x20  | 12x20 | 12x24 | 12x24 |
| ISO 5211 | F05  | F05    | F05  | F07   | F07   | F07   | F10   | F10   | F10   |
| K        | 65   | 65     | 65   | 90    | 90    | 90    | 125   | 125   | 125   |
| d        | 4x7  | 4x7    | 4x7  | 4x10  | 4x10  | 4x10  | 4x12  | 4x12  | 4x12  |
| B1       | 9    | 9      | 9    | 11    | 14    | 14    | 17    | 22    | 22    |
| Torque   | 15.1 | 17.2   | 23.1 | 39.8  | 61.9  | 102   | 192   | 323   | 490   |
| Kgs      | 3.05 | 3.70   | 4.75 | 6.75  | 8.50  | 10.55 | 17.85 | 31.00 | 42.40 |

| N. | Part Name | Materials           |
|----|-----------|---------------------|
| 1  | Body      | Ductile Iron GGG40  |
| 2  | Disc      | Stainless Steel 316 |
| 3  | Seat      | EPDM                |
| 4  | Stem      | Stainless Steel 410 |
| 5  | Bush      | PTFE                |
| 6  | O-Ring    | EPDM                |
| 7  | Indicator | Carbon Steel        |
| 8  | Lever     | Aluminium           |

We strongly advise gearbox on all 8", 10" and 12" valves.

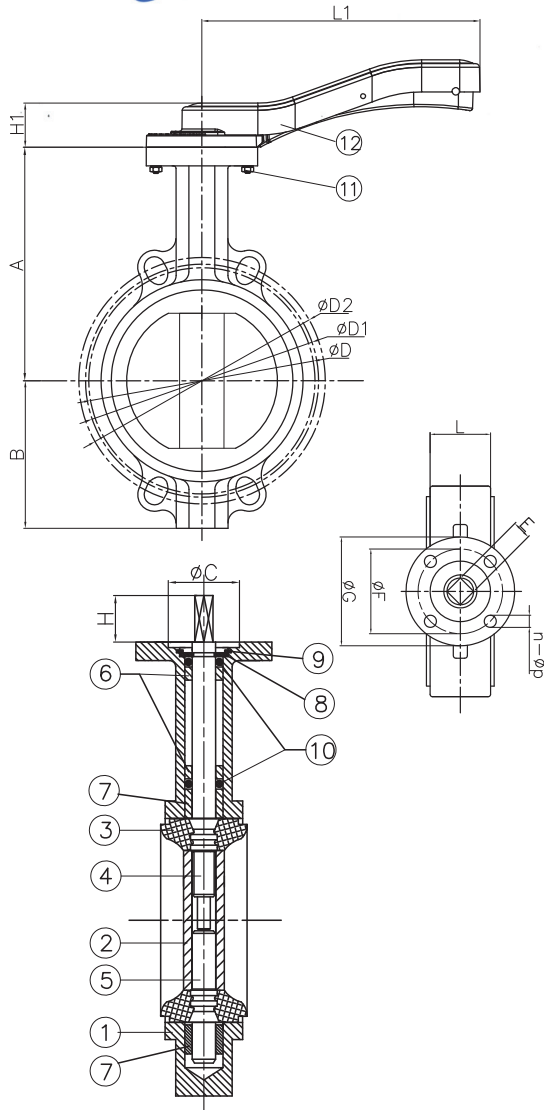
### Technical Data

Pressure 16 Bar

Working Temperature -10°C to +110°C

Dimensions in mm

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We strongly advise gearbox on all 8", 10" and 12" valves.

### Technical Data

Maximum Pressure 16 Bar  
Working Temperature -20°C to +110°C

Dimensions in mm

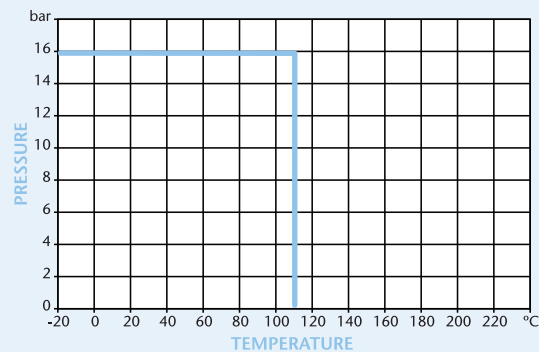
This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

## Ductile Iron Butterfly Valve Wafer Type

### Features

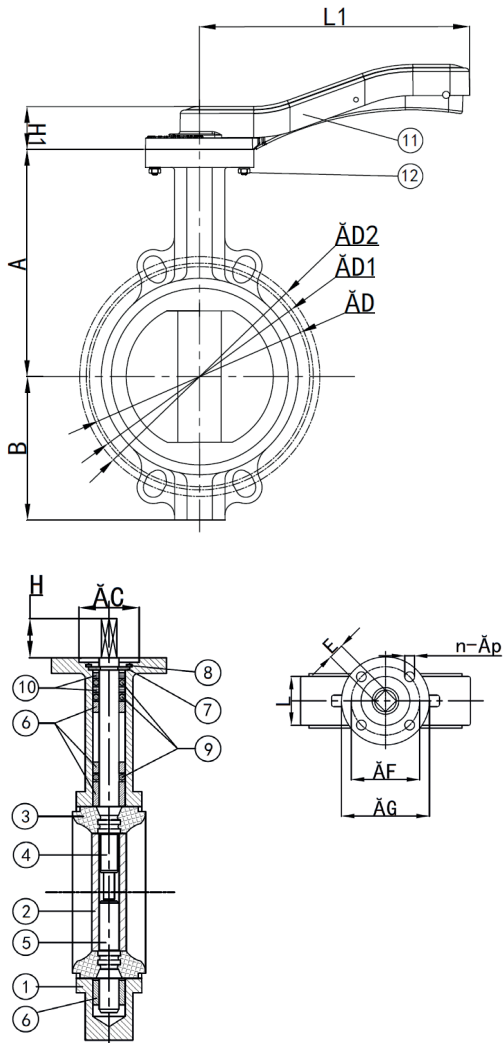
- Universal Flange Mounting PN10 PN16 ASA150
- BS5155 (BS EN 593)
- ISO 5211 Direct Mount
- Lockable Handle
- Epoxy Coat Finish

### Pressure/Temperature



| DN     | 50   | 65   | 80   | 100  | 125  | 150  | 200   | 250   | 300   |
|--------|------|------|------|------|------|------|-------|-------|-------|
| A      | 142  | 154  | 161  | 179  | 193  | 204  | 250   | 282   | 326   |
| B      | 60   | 78   | 87   | 105  | 120  | 138  | 174   | 209   | 242   |
| C      | 56   | 56   | 56   | 56   | 56   | 56   | 71    | 71    | 71    |
| D      | 125  | 145  | 160  | 180  | 210  | 240  | 295   | 355   | 410   |
| E      | 11   | 11   | 11   | 11   | 14   | 14   | 17    | 22    | 22    |
| F      | 70   | 70   | 70   | 70   | 70   | 70   | 102   | 102   | 102   |
| G      | 90   | 90   | 90   | 90   | 90   | 90   | 125   | 125   | 125   |
| H      | 19   | 19   | 19   | 19   | 19   | 19   | 25    | 30    | 30    |
| H1     | 31   | 31   | 31   | 36   | 36   | 36   | 42    | 42    | 42    |
| L      | 41.4 | 44   | 44.6 | 51.4 | 53.8 | 55.1 | 59.5  | 65    | 75.9  |
| L1     | 176  | 176  | 176  | 225  | 225  | 225  | 300   | 359   | 359   |
| Holes  | 4x19 | 4x19 | 8x19 | 8x19 | 8x19 | 8x23 | 12x23 | 12x28 | 12x28 |
| n-Øp   | 4x10 | 4x10 | 4x10 | 4x10 | 4x10 | 4x10 | 4x12  | 4x12  | 4x12  |
| Torque | 19   | 21   | 28   | 43   | 60   | 91   | 194   | 295   | 412   |
| Kgs    | 2.35 | 2.75 | 3.05 | 4.7  | 5.5  | 6.75 | 11.6  | 20.4  | 29.1  |

| N. | Part Name   | Materials                        |
|----|-------------|----------------------------------|
| 1  | Body        | Ductile Iron GGG40               |
| 2  | Disc        | Ductile Iron / Nickel Plated     |
| 3  | Seat        | EPDM                             |
| 4  | Upper Shaft | Stainless Steel 410              |
| 5  | Lower Shaft | Stainless Steel 411              |
| 6  | Short Bush  | PTFE                             |
| 7  | Long Bush   | PTFE                             |
| 8  | Split Pin   | Spring Steel                     |
| 9  | Circlip     | Spring Steel                     |
| 10 | O-Ring      | EPDM                             |
| 11 | Bolt        | Carbon Steel                     |
| 12 | Lever       | DN 50-150 Aluminium DN200-300 DI |



We strongly advise gearbox on all 8", 10" and 12" valves.

### Technical Data

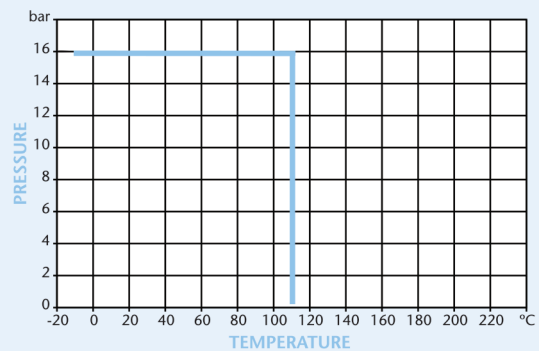
Maximum Pressure 16 Bar  
Working Temperature -10°C to +110°C

## Ductile Iron Butterfly Valve Wafer Type

### Features

- Universal Flange Mounting PN10 PN16 ASA150
- BS5155 (BS EN 593) / ANSI 150
- ISO 5211 Direct Mount
- Lockable Handle
- Epoxy Coat Finish
- WRAS Approved
- MSS-SP-67

### Pressure/Temperature

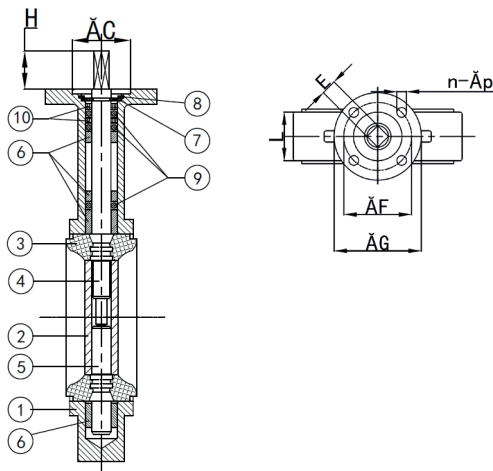
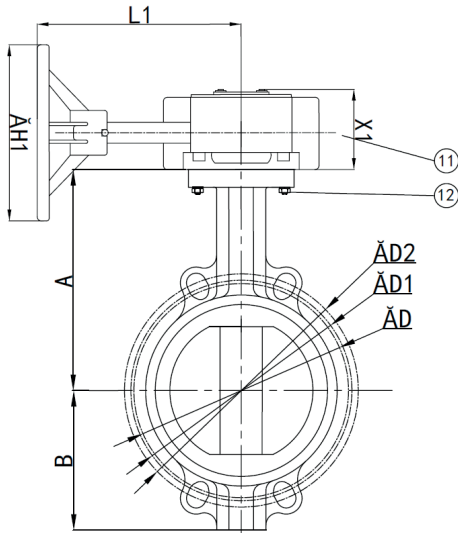


|             | 50     | 65    | 80    | 100   | 125   | 150   | 200    | 250    | 300   |
|-------------|--------|-------|-------|-------|-------|-------|--------|--------|-------|
| A           | 142    | 154.5 | 161   | 180   | 193   | 205   | 250    | 282    | 326   |
| B           | 60     | 70    | 85    | 104   | 120   | 135   | 171    | 205    | 248   |
| C           | 56     | 56    | 56    | 56    | 56    | 56    | 71     | 71     | 71    |
| D           | 125    | 145   | 160   | 180   | 210   | 240   | 295    | 350    | 400   |
| D1          | 125    | 145   | 160   | 180   | 210   | 240   | 295    | 355    | 410   |
| D2          | 120.65 | 139.7 | 152.4 | 190.5 | 215.9 | 241.3 | 298.45 | 361.95 | 431.8 |
| E           | 11     | 11    | 11    | 11    | 14    | 14    | 17     | 22     | 22    |
| F           | 70     | 70    | 70    | 70    | 70    | 70    | 102    | 102    | 102   |
| G           | 90     | 90    | 90    | 90    | 90    | 90    | 125    | 125    | 125   |
| H           | 19     | 19    | 19    | 19    | 19    | 19    | 25     | 30     | 30    |
| H1          | 31     | 31    | 31    | 36    | 36    | 36    | 42     | 42     | 42    |
| L           | 41.4   | 44    | 44.6  | 51.4  | 53.8  | 55.1  | 59.5   | 65     | 75.9  |
| L1          | 176    | 176   | 176   | 225   | 225   | 225   | 300    | 359    | 359   |
| Holes PN10  | 4-19   | 4-19  | 8-19  | 8-19  | 8-19  | 8-23  | 8-23   | 12-23  | 12-23 |
| Holes PN16  | 4x19   | 4x19  | 8x19  | 8x19  | 8x19  | 8x23  | 12x23  | 12x28  | 12x28 |
| Holes CLASS | 4-     | 4-    | 4-    | 8-    | 8-    | 8-    | 8-     | 12-    | 12-   |
| 150         | 19.05  | 19.05 | 19.05 | 19.05 | 22.35 | 22.35 | 22.35  | 25.4   | 25.4  |
| n-Øp        | 4x10   | 4x10  | 4x10  | 4x10  | 4x10  | 4x10  | 4x12   | 4x12   | 4x12  |
| Torque      | 19     | 21    | 28    | 43    | 60    | 91    | 194    | 295    | 412   |
| Kgs         | 2.35   | 2.75  | 3.05  | 4.7   | 5.5   | 6.75  | 11.6   | 20.4   | 29.1  |

| N. | Part Name   | Materials                       |
|----|-------------|---------------------------------|
| 1  | Body        | Ductile Iron GGG40              |
| 2  | Disc        | Stainless Steel 316             |
| 3  | Seat        | WRAS EPDM                       |
| 4  | Upper Shaft | Stainless Steel 420             |
| 5  | Lower Shaft | Stainless Steel 420             |
| 6  | Bushing     | PTFE                            |
| 7  | Split Pin   | Spring Steel 65Mn               |
| 8  | Circlip     | Spring Steel 65Mn               |
| 9  | O-Ring      | WRAS EPDM                       |
| 10 | Ring        | Nylon 6 PA6                     |
| 11 | Lever       | DN50-150 Aluminium DN200-300 DI |
| 12 | Bolt        | Stainless Steel 304             |

Dimensions in mm

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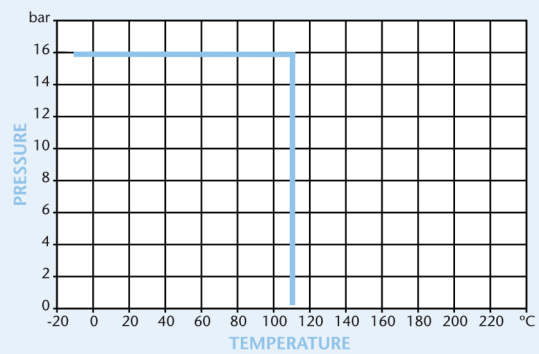


## Ductile Iron Butterfly Valve Wafer Type with gearbox

### Features

- Universal Flange Mounting PN10 PN16 ASA150
- BS5155 (BS EN 593) / ANSI 150
- ISO 5211 Direct Mount
- Epoxy Coat Finish
- WRAS Approved
- MSS-SP-67

### Pressure/Temperature



|            | 50     | 65    | 80    | 100   | 125   | 150   | 200    | 250    | 300   |
|------------|--------|-------|-------|-------|-------|-------|--------|--------|-------|
| A          | 142    | 154.5 | 161   | 180   | 193   | 205   | 250    | 282    | 326   |
| B          | 60     | 70    | 85    | 104   | 120   | 135   | 171    | 205    | 248   |
| C          | 56     | 56    | 56    | 56    | 56    | 56    | 71     | 71     | 71    |
| D          | 125    | 145   | 160   | 180   | 210   | 240   | 295    | 350    | 400   |
| D1         | 125    | 145   | 160   | 180   | 210   | 240   | 295    | 355    | 410   |
| D2         | 120.65 | 139.7 | 152.4 | 190.5 | 215.9 | 241.3 | 298.45 | 361.95 | 431.8 |
| E          | 11     | 11    | 11    | 11    | 14    | 14    | 17     | 22     | 22    |
| F          | 70     | 70    | 70    | 70    | 70    | 70    | 102    | 102    | 102   |
| G          | 90     | 90    | 90    | 90    | 90    | 90    | 125    | 125    | 125   |
| H          | 19     | 19    | 19    | 19    | 19    | 19    | 25     | 30     | 30    |
| H1         | 134    | 134   | 134   | 134   | 134   | 134   | 215    | 215    | 215   |
| L          | 41.4   | 44    | 44.6  | 51.4  | 53.8  | 55.1  | 59.5   | 65     | 75.9  |
| L1         | 145    | 145   | 145   | 145   | 145   | 145   | 216    | 216    | 216   |
| Holes PN10 | 4-19   | 4-19  | 8-19  | 8-19  | 8-19  | 8-23  | 8-23   | 12-23  | 12-23 |
| Holes PN16 | 4x19   | 4x19  | 8x19  | 8x19  | 8x19  | 8x23  | 12x23  | 12x28  | 12x28 |
| Holes      | 4-     | 4-    | 4-    | 8-    | 8-    | 8-    | 8-     | 12-    | 12-   |
| CLASS 150  | 19.05  | 19.05 | 19.05 | 19.05 | 22.35 | 22.35 | 22.35  | 25.4   | 25.4  |
| X1         | 62     | 62    | 62    | 62    | 62    | 62    | 71     | 71     | 71    |
| n-Øp       | 4x10   | 4x10  | 4x10  | 4x10  | 4x10  | 4x10  | 4x12   | 4x12   | 4x12  |
| Kgs        | 5.35   | 5.75  | 6.05  | 7.7   | 8.5   | 9.75  | 17.6   | 26.4   | 35.1  |

| N. | Part Name   | Materials           |
|----|-------------|---------------------|
| 1  | Body        | Ductile Iron GGG40  |
| 2  | Disc        | Stainless Steel 316 |
| 3  | Seat        | WRAS EPDM           |
| 4  | Upper Shaft | Stainless Steel 420 |
| 5  | Lower Shaft | Stainless Steel 420 |
| 6  | Bushing     | PTFE                |
| 7  | Split Pin   | Spring Steel 65Mn   |
| 8  | Circlip     | Spring Steel 65Mn   |
| 9  | O-Ring      | WRAS EPDM           |
| 10 | Ring        | Nylon 6 PA6         |
| 11 | Gear Box    | Aluminium AL102     |
| 12 | Bolt        | Stainless Steel 304 |

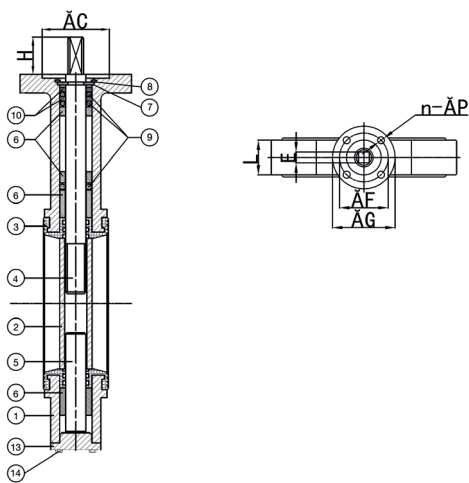
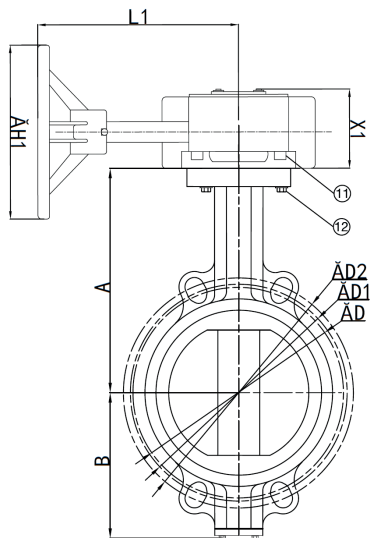
### Technical Data

Maximum Pressure 16 Bar  
Working Temperature -10°C to +110°C

Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.





NOTE: DN350 without back cover and back cover bolts.

### Technical Data

|                     |                 |
|---------------------|-----------------|
| Maximum Pressure    | 16 Bar          |
| Working Temperature | -10°C to +110°C |

Dimensions in mm

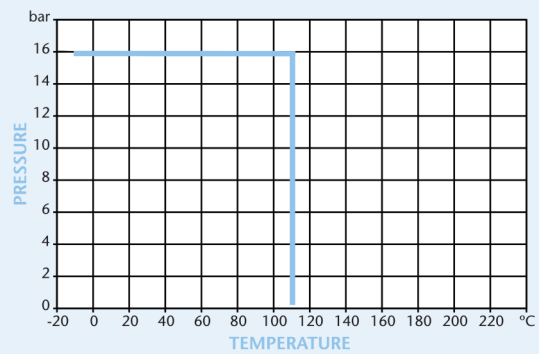
This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

## Ductile Iron Butterfly Valve Wafer Type with gearbox

### Features

- Universal Flange Mounting PN10 PN16 ASA150
- BS5155 (BS EN 593) / ANSI 150
- ISO 5211 Direct Mount
- Epoxy Coat Finish
- MSS-SP-67

### Pressure/Temperature



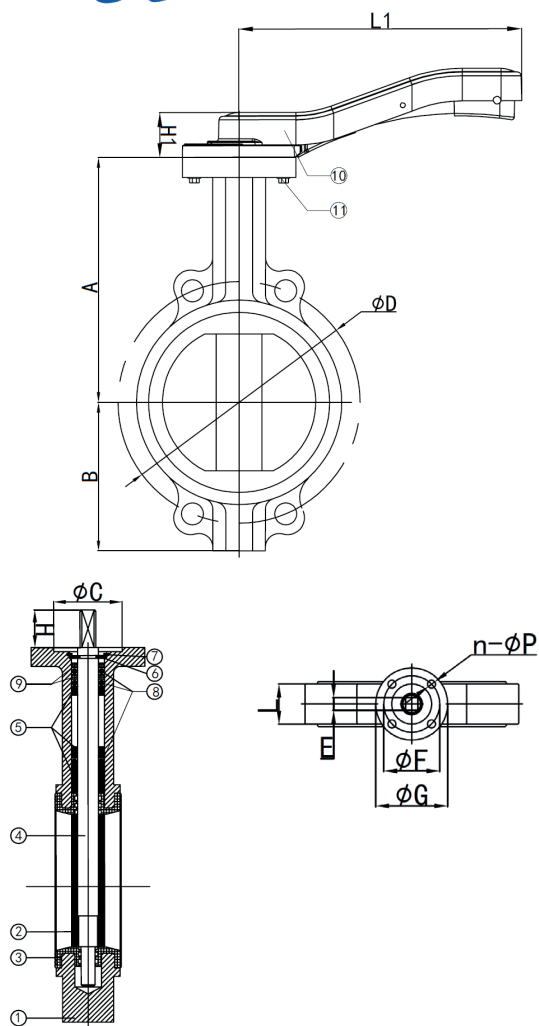
|                 | 350       | 400       | 450       | 500       | 600      |
|-----------------|-----------|-----------|-----------|-----------|----------|
| A               | 345       | 390       | 422       | 470       | 552      |
| B               | 262       | 305       | 341       | 373       | 445      |
| C               | 71        | 100.5     | 100.5     | 100.5     | 130.5    |
| D               | 460       | 515       | 565       | 620       | 725      |
| D1              | 470       | 525       | 585       | 650       | 770      |
| D2              | 476.25    | 539.75    | 577.85    | 635       | 749.3    |
| E               | 22        | 27        | 27        | 27        | 36       |
| ÄF              | 102       | 140       | 140       | 140       | 165      |
| ÄG              | 125       | 175       | 175       | 175       | 210      |
| H               | 40        | 52        | 52        | 64        | 70       |
| H1              | 300       | 300       | 300       | 300       | 300      |
| L               | 78        | 102       | 114       | 127       | 154      |
| L1              | 225       | 131       | 131       | 131       | 138      |
| Holes PN10      | 16-Ä23    | 16-Ä28    | 20-Ä28    | 20-Ä28    | 20-Ä31   |
| Holes PN16      | 16-Ä28    | 16-Ä31    | 20-Ä31    | 20-Ä34    | 20-Ä37   |
| Holes CLASS 150 | 12-Ä28.45 | 16-Ä28.45 | 16-Ä31.75 | 20-Ä31.75 | 20-35.05 |
| X1              | 84        | 264       | 264       | 269       | 307      |
| n-Øp            | 4-12      | 4-18      | 4-18      | 4-18      | 4-23     |
| Torque (N.M)    | 840       | 1260      | 2070      | 2670      | 5295     |
| Kgs             | 62        | 121.7     | 134       | 162.6     | 236.4    |

| N. | Part Name   | Materials           |
|----|-------------|---------------------|
| 1  | Body        | Ductile Iron GGG40  |
| 2  | Disc        | Stainless Steel 316 |
| 3  | Seat        | WRAS EPDM           |
| 4  | Upper Shaft | Stainless Steel 420 |
| 5  | Lower Shaft | Stainless Steel 420 |
| 6  | Bushing     | PTFE                |
| 7  | Split Pin   | Spring Steel 65Mn   |
| 8  | Circlip     | Spring Steel 65Mn   |
| 9  | O-Ring      | WRAS EPDM           |
| 10 | Ring        | Nylon 6 PA6         |
| 11 | Gear Box    | Aluminium AL102     |
| 12 | Bolt        | Stainless Steel 304 |

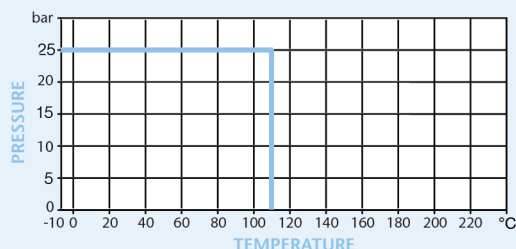
## PN25 Ductile Iron Butterfly Valve Wafer Type

### Features

- Flange Mounting PN25 Only
- BS5155 (BS EN 593)
- ISO 5211 Direct Mount
- Lockable Handle
- Epoxy Coat Finish
- Vulcanised Liner



### Pressure/Temperature



| DN     | 50   | 65   | 80   | 100  | 125  | 150  |
|--------|------|------|------|------|------|------|
| A      | 141  | 153  | 161  | 178  | 193  | 204  |
| B      | 61   | 72   | 87   | 106  | 123  | 138  |
| C      | 56   | 56   | 56   | 56   | 56   | 56   |
| D      | 125  | 145  | 160  | 190  | 220  | 250  |
| E      | 11   | 11   | 11   | 11   | 14   | 14   |
| F      | 70   | 70   | 70   | 70   | 70   | 70   |
| G      | 90   | 90   | 90   | 90   | 90   | 90   |
| L      | 43   | 46   | 46   | 52   | 56   | 56   |
| n-Øp   | 4-10 | 4-10 | 4-10 | 4-10 | 4-10 | 4-10 |
| H      | 19   | 19   | 19   | 19   | 19   | 19   |
| H1     | 31   | 31   | 31   | 36   | 36   | 36   |
| L1     | 176  | 176  | 176  | 225  | 225  | 225  |
| Torque | 22   | 26   | 36   | 73   | 90   | 106  |
| Kgs    | 3.5  | 4.3  | 5    | 7    | 10   | 12.5 |

| N. | Part Name  | Materials           |
|----|------------|---------------------|
| 1  | Body       | Ductile Iron GGG40  |
| 2  | Disc       | Stainless Steel 316 |
| 3  | Seat       | EPDM                |
| 4  | Shaft      | Stainless Steel 431 |
| 5  | Bushing    | Brass H65           |
| 6  | Cotter Pin | Spring Steel 65Mn   |
| 7  | Circlip    | Spring Steel 65Mn   |
| 8  | O-Ring     | NBR                 |
| 9  | Ring       | Nylon 6 PA6         |
| 10 | Handle     | AL102               |
| 11 | Bolt       | Stainless Steel 304 |

We strongly advise gearbox on all 8", 10" and 12" valves.

### Technical Data

|                     |                 |
|---------------------|-----------------|
| Max Pressure        | 25 Bar          |
| Working Temperature | -10°C to +110°C |

Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

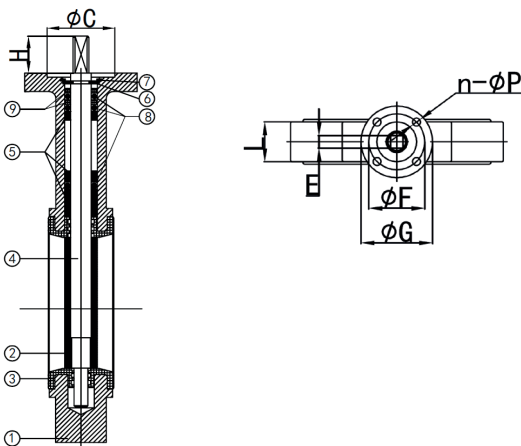
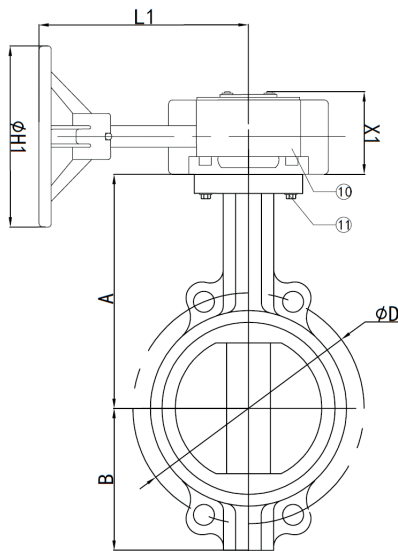
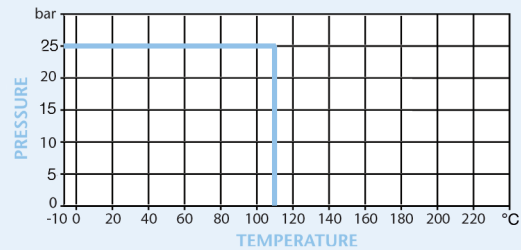


## PN25 Ductile Iron Butterfly Valve Wafer Type

### Features

- Flange Mounting PN25 Only
- BS5155 (BS EN 593)
- ISO 5211 Direct Mount
- Epoxy Coat Finish
- Vulcanised Liner

### Pressure/Temperature



| DN     | 200  | 250  | 300  |
|--------|------|------|------|
| A      | 247  | 280  | 324  |
| B      | 173  | 207  | 250  |
| C      | 71   | 71   | 71   |
| D      | 310  | 370  | 430  |
| E      | 17   | 22   | 22   |
| F      | 102  | 102  | 102  |
| G      | 125  | 125  | 125  |
| L      | 60   | 68   | 78   |
| n-Øp   | 4-12 | 4-12 | 4-12 |
| H      | 25   | 30   | 30   |
| H1     | 215  | 215  | 215  |
| L1     | 216  | 216  | 216  |
| X1     | 71   | 71   | 71   |
| Torque | 290  | 400  | 510  |
| Kgs    | 24   | 34   | 45   |

### Technical Data

Max Pressure 25 Bar  
Working Temperature -10°C to +110°C

| N. | Part Name  | Materials           |
|----|------------|---------------------|
| 1  | Body       | Ductile Iron GGG40  |
| 2  | Disc       | Stainless Steel 316 |
| 3  | Seat       | EPDM                |
| 4  | Shaft      | Stainless Steel 431 |
| 5  | Bushing    | Brass H65           |
| 6  | Cotter Pin | Spring Steel 65Mn   |
| 7  | Circlip    | Spring Steel 65Mn   |
| 8  | O-Ring     | NBR                 |
| 9  | Ring       | Nylon 6 PA6         |
| 10 | Gearbox    | AL102               |
| 11 | Bolt       | Stainless Steel 304 |

Dimensions in mm

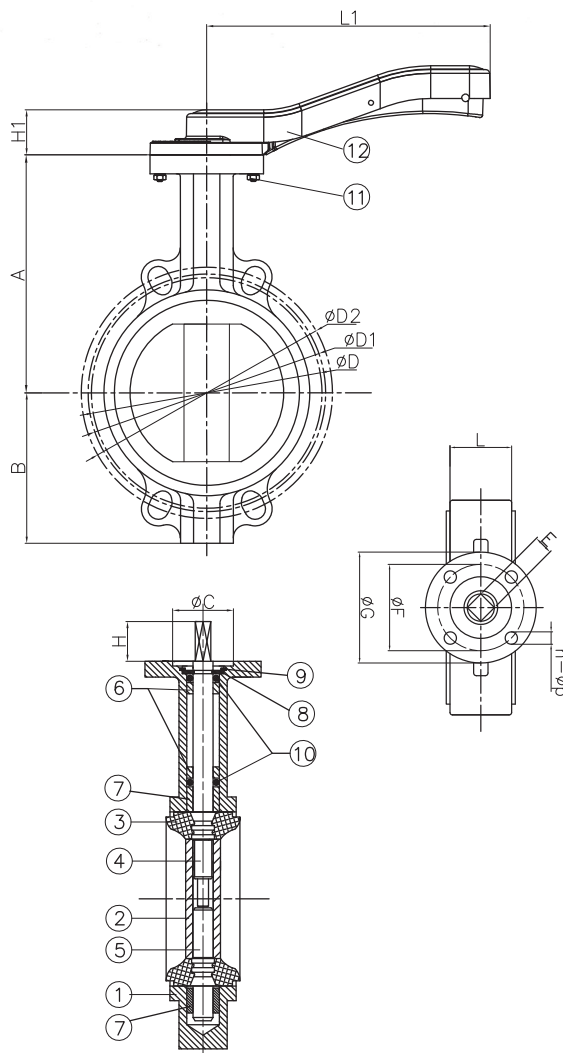
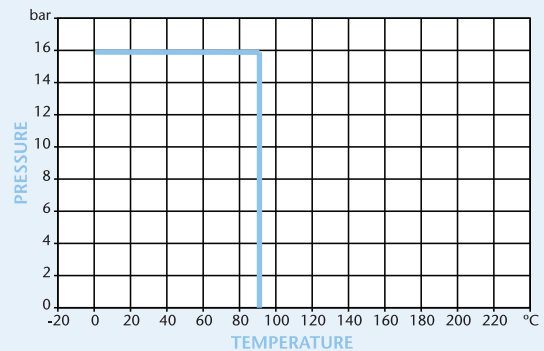
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## Ductile Iron Butterfly Valve Wafer Type

### Features

- Universal Flange Mounting PN10 PN16 ASA150
- BS5155 (BS EN 593)
- ISO 5211 Direct Mount
- Lockable Handle
- Epoxy Coat Finish

### Pressure/Temperature



We strongly advise gearbox on all 8", 10" and 12" valves.

### Technical Data

Maximum Pressure 16 Bar  
Working Temperature -0°C to +90°C

Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

| DN     | 50   | 65   | 80   | 100  | 125  | 150  | 200   | 250   | 300   |
|--------|------|------|------|------|------|------|-------|-------|-------|
| A      | 142  | 154  | 161  | 179  | 193  | 204  | 250   | 282   | 326   |
| B      | 60   | 78   | 87   | 105  | 120  | 138  | 174   | 209   | 242   |
| C      | 56   | 56   | 56   | 56   | 56   | 56   | 71    | 71    | 71    |
| D      | 125  | 145  | 160  | 180  | 210  | 240  | 295   | 355   | 410   |
| E      | 11   | 11   | 11   | 11   | 14   | 14   | 17    | 22    | 22    |
| F      | 70   | 70   | 70   | 70   | 70   | 70   | 102   | 102   | 102   |
| G      | 90   | 90   | 90   | 90   | 90   | 90   | 125   | 125   | 125   |
| H      | 19   | 19   | 19   | 19   | 19   | 19   | 25    | 30    | 30    |
| H1     | 31   | 31   | 31   | 36   | 36   | 36   | 42    | 42    | 42    |
| L      | 41.4 | 44   | 44.6 | 51.4 | 53.8 | 55.1 | 59.5  | 65    | 75.9  |
| L1     | 176  | 176  | 176  | 225  | 225  | 225  | 300   | 359   | 359   |
| Holes  | 4x19 | 4x19 | 8x19 | 8x19 | 8x19 | 8x23 | 12x23 | 12x28 | 12x28 |
| n-Øp   | 4x10 | 4x10 | 4x10 | 4x10 | 4x10 | 4x10 | 4x12  | 4x12  | 4x12  |
| Torque | 19   | 21   | 28   | 43   | 60   | 91   | 194   | 295   | 412   |
| Kgs    | 2.35 | 2.75 | 3.05 | 4.7  | 5.5  | 6.75 | 11.6  | 20.4  | 29.1  |

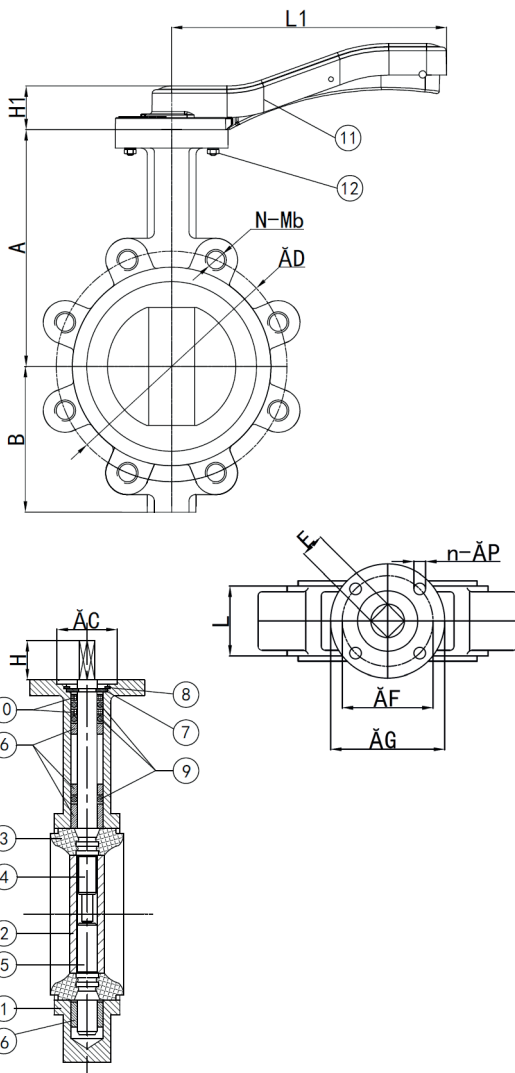
| N. | Part Name   | Materials                        |
|----|-------------|----------------------------------|
| 1  | Body        | Ductile Iron GGG40               |
| 2  | Disc        | Stainless Steel 316              |
| 3  | Seat        | NBR                              |
| 4  | Upper Shaft | Stainless Steel 410              |
| 5  | Lower Shaft | Stainless Steel 411              |
| 6  | Short Bush  | PTFE                             |
| 7  | Long Bush   | PTFE                             |
| 8  | Split Pin   | Spring Steel                     |
| 9  | Circlip     | Spring Steel                     |
| 10 | O-Ring      | EPDM                             |
| 11 | Bolt        | Carbon Steel                     |
| 12 | Lever       | DN 50-150 Aluminium DN200-300 DI |



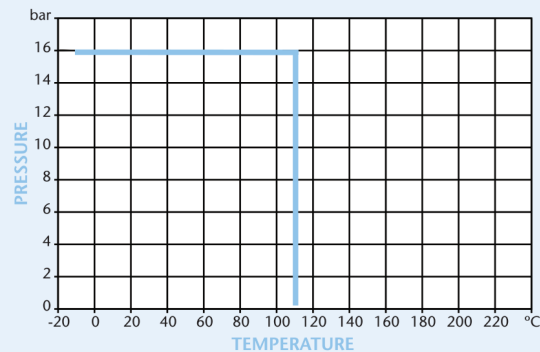
## Ductile Iron Butterfly Valve Lugged & Tapped Type

### Features

- Flange Mounting PN16 Only
- BS5155 (BS EN 593)
- ISO 5211 Direct Mount
- Lockable Handle
- Epoxy Coat Finish
- WRAS Approved
- MSS-SP-67



### Pressure/Temperature



|        | 50    | 65    | 80    | 100   | 125   | 150   | 200    | 250    | 300    |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| A      | 142   | 154.5 | 161   | 180   | 193   | 205   | 250    | 282    | 326    |
| B      | 60    | 70    | 85    | 104   | 120   | 135   | 171    | 205    | 248    |
| C      | 56    | 56    | 56    | 56    | 56    | 56    | 71     | 71     | 71     |
| D1     | 125   | 145   | 160   | 180   | 210   | 240   | 295    | 355    | 410    |
| E      | 11    | 11    | 11    | 11    | 14    | 14    | 17     | 22     | 22     |
| F      | 70    | 70    | 70    | 70    | 70    | 70    | 102    | 102    | 102    |
| G      | 90    | 90    | 90    | 90    | 90    | 90    | 125    | 125    | 125    |
| H      | 19    | 19    | 19    | 19    | 19    | 19    | 25     | 30     | 30     |
| H1     | 31    | 31    | 31    | 36    | 36    | 36    | 42     | 42     | 42     |
| L      | 41.4  | 44    | 44.6  | 51.4  | 53.8  | 55.1  | 59.5   | 65     | 75.9   |
| L1     | 176   | 176   | 176   | 225   | 225   | 225   | 300    | 359    | 359    |
| N-Mb   | 4-M16 | 4-M16 | 8-M16 | 8-M16 | 8-M16 | 8-M20 | 12-M20 | 12-M24 | 12-M24 |
| n-AP   | 4x10  | 4x10  | 4x10  | 4x10  | 4x10  | 4x10  | 4x12   | 4x12   | 4x12   |
| Torque | 19    | 21    | 28    | 43    | 60    | 91    | 194    | 295    | 412    |
| Kgs    | 2.35  | 2.75  | 3.05  | 4.7   | 5.5   | 6.75  | 11.6   | 20.4   | 29.1   |

We strongly advise gearbox on all 8", 10" and 12" valves.

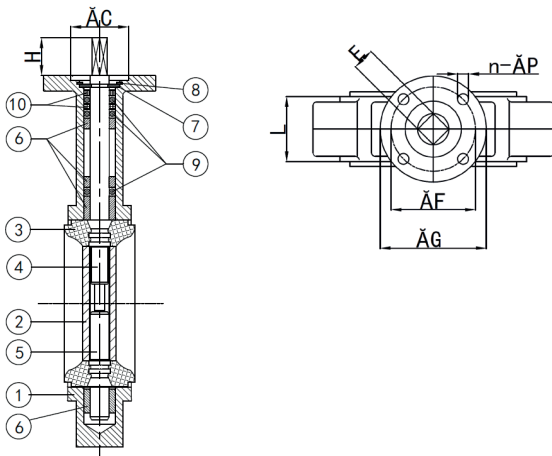
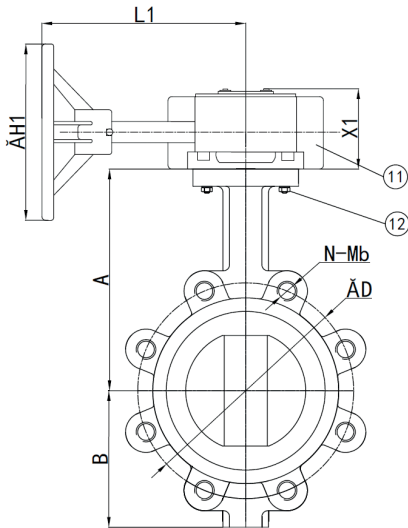
### Technical Data

|                     |                 |
|---------------------|-----------------|
| Maximum Pressure    | 16 Bar          |
| Working Temperature | -10°C to +110°C |

Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

| N. | Part Name   | Materials                       |
|----|-------------|---------------------------------|
| 1  | Body        | Ductile Iron GGG40              |
| 2  | Disc        | Stainless Steel 316             |
| 3  | Seat        | WRAS EPDM                       |
| 4  | Upper Shaft | Stainless Steel 420             |
| 5  | Lower Shaft | Stainless Steel 420             |
| 6  | Bushing     | PTFE                            |
| 7  | Split Pin   | Spring Steel 65Mn               |
| 8  | Circlip     | Spring Steel 65Mn               |
| 9  | O-Ring      | WRAS EPDM                       |
| 10 | Ring        | Nylon 6 PA6                     |
| 11 | Lever       | DN50-150 Aluminium DN200-300 DI |
| 12 | Bolt        | Stainless Steel 304             |



We strongly advise gearbox on all 8", 10" and 12" valves.

### Technical Data

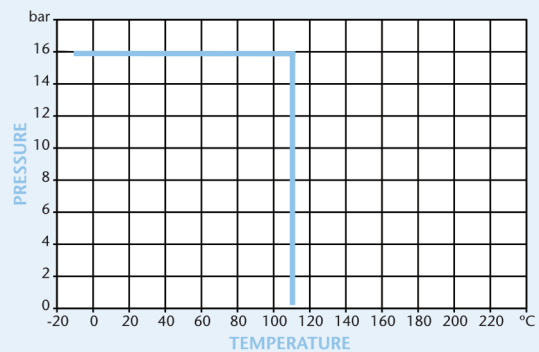
|                     |                 |
|---------------------|-----------------|
| Maximum Pressure    | 16 Bar          |
| Working Temperature | -10°C to +110°C |

## PN16 Ductile Iron Butterfly Valve Lugged & Tapped Type

### Features

- Flange Mounting PN16 Only
- BS5155 (BS EN 593)
- ISO 5211 Direct Mount
- Epoxy Coat Finish
- WRAS Approved
- MSS-SP-67

### Pressure/Temperature



|      | 50    | 65    | 80    | 100   | 125   | 150   | 200    | 250    | 300    |
|------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| A    | 142   | 154.5 | 161   | 180   | 193   | 205   | 250    | 282    | 326    |
| B    | 60    | 70    | 85    | 104   | 120   | 135   | 171    | 205    | 248    |
| C    | 56    | 56    | 56    | 56    | 56    | 56    | 71     | 71     | 71     |
| D1   | 125   | 145   | 160   | 180   | 210   | 240   | 295    | 355    | 410    |
| E    | 11    | 11    | 11    | 11    | 14    | 14    | 17     | 22     | 22     |
| F    | 70    | 70    | 70    | 70    | 70    | 70    | 102    | 102    | 102    |
| G    | 90    | 90    | 90    | 90    | 90    | 90    | 125    | 125    | 125    |
| H    | 19    | 19    | 19    | 19    | 19    | 19    | 25     | 30     | 30     |
| H1   | 134   | 134   | 134   | 134   | 134   | 134   | 215    | 215    | 215    |
| L    | 41.4  | 44    | 44.6  | 51.4  | 53.8  | 55.1  | 59.5   | 65     | 75.9   |
| L1   | 145   | 145   | 145   | 145   | 145   | 145   | 216    | 216    | 216    |
| X1   | 62    | 62    | 62    | 62    | 62    | 62    | 71     | 71     | 71     |
| N-Mb | 4-M16 | 4-M16 | 8-M16 | 8-M16 | 8-M16 | 8-M20 | 12-M20 | 12-M24 | 12-M24 |
| n-Äp | 4x10  | 4x10  | 4x10  | 4x10  | 4x10  | 4x10  | 4x12   | 4x12   | 4x12   |
| Kgs  | 5.35  | 5.75  | 6.05  | 7.7   | 8.5   | 9.75  | 17.6   | 26.4   | 35.1   |

| N. | Part Name   | Materials           |
|----|-------------|---------------------|
| 1  | Body        | Ductile Iron GGG40  |
| 2  | Disc        | Stainless Steel 316 |
| 3  | Seat        | WRAS EPDM           |
| 4  | Upper Shaft | Stainless Steel 420 |
| 5  | Lower Shaft | Stainless Steel 420 |
| 6  | Bushing     | PTFE                |
| 7  | Split Pin   | Spring Steel 65Mn   |
| 8  | Circlip     | Spring Steel 65Mn   |
| 9  | O-Ring      | WRAS EPDM           |
| 10 | Ring        | Nylon 6 PA6         |
| 11 | Gearbox     | Aluminium           |
| 12 | Bolt        | Stainless Steel 304 |

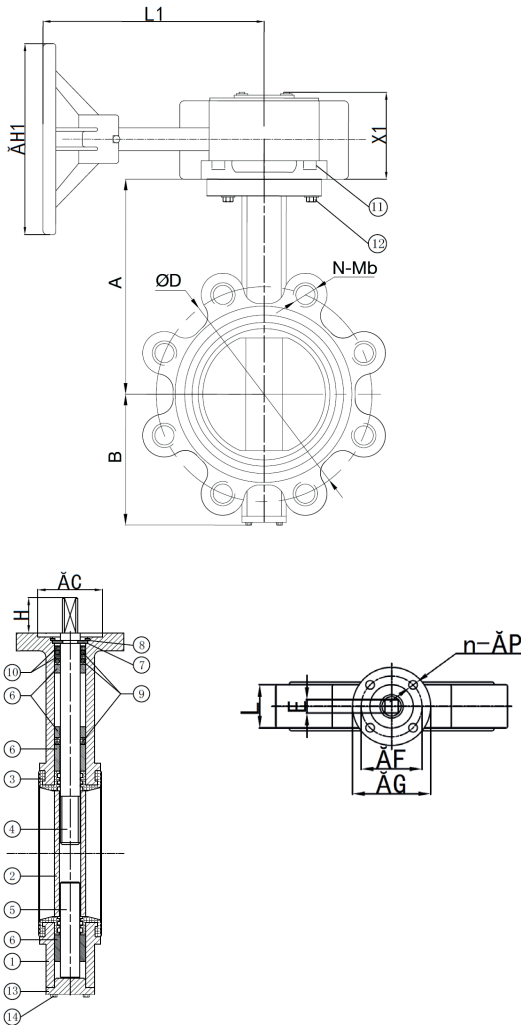
Dimensions in mm

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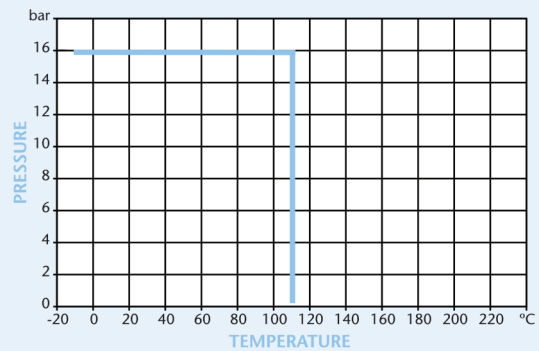
## PN16 Ductile Iron Butterfly Valve Lugged & Tapped Type

### Features

- Flange Mounting PN16 Only
- BS5155 (BS EN 593)
- ISO 5211 Direct Mount
- Epoxy Coat Finish
- MSS-SP-67



### Pressure/Temperature



|              | 350    | 400    | 450    | 500    | 600    |
|--------------|--------|--------|--------|--------|--------|
| ÅD           | 470    | 525    | 585    | 650    | 770    |
| N-Mb         | 16-M24 | 16-M27 | 20-M27 | 20-M30 | 20-M33 |
| A            | 345    | 390    | 422    | 470    | 552    |
| B            | 262    | 305    | 341    | 373    | 445    |
| C            | 71     | 100.5  | 100.5  | 100.5  | 130.5  |
| H            | 40     | 52     | 52     | 64     | 70     |
| ÅG           | 125    | 175    | 175    | 175    | 210    |
| n-ÅP         | 4-12   | 4-18   | 4-18   | 4-18   | 4-23   |
| ÅF           | 102    | 140    | 140    | 140    | 165    |
| L            | 78     | 102    | 114    | 127    | 154    |
| E            | 22     | 27     | 27     | 27     | 36     |
| H1           | 300    | 300    | 300    | 300    | 300    |
| L1           | 225    | 131    | 131    | 131    | 138    |
| X1           | 84     | 264    | 264    | 269    | 307    |
| Torque (N.M) | 840    | 1260   | 2070   | 2670   | 5295   |
| Kgs          | 88     | 168    | 198    | 238.8  | 334.8  |

| N. | Part Name   | Materials           |
|----|-------------|---------------------|
| 1  | Body        | Ductile Iron GGG40  |
| 2  | Disc        | Stainless Steel 316 |
| 3  | Seat        | WRAS EPDM           |
| 4  | Upper Shaft | Stainless Steel 431 |
| 5  | Lower Shaft | Stainless Steel 431 |
| 6  | Bushing     | Brass H65           |
| 7  | Split Pin   | Spring Steel 65Mn   |
| 8  | Circlip     | Spring Steel 65Mn   |
| 9  | O-Ring      | WRAS EPDM           |
| 10 | Ring        | Nylon 6 PA6         |
| 11 | Gearbox     | Ductile Iron        |
| 12 | Bolt        | Stainless Steel 304 |
| 13 | End Cover   | Ductile Iron GGG40  |
| 14 | Bolt        | Stainless Steel 304 |

NOTE: DN350 without back cover and back cover bolts.

### Technical Data

Maximum Pressure 16 Bar  
Working Temperature -10°C to +110°C

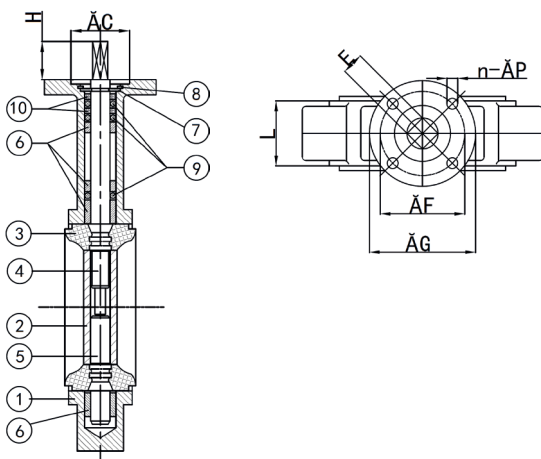
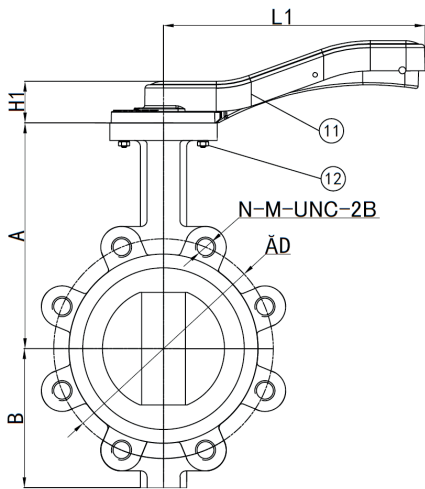
Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

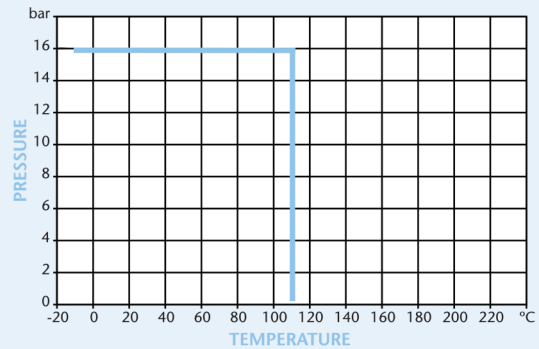
## ANSI 150 Ductile Iron Butterfly Valve Lugged & Tapped Type

### Features

- Flange Mounting ANSI Class 150
- BS5155 (BS EN 593)
- ISO 5211 Direct Mount
- Lockable Handle
- Epoxy Coat Finish
- WRAS Approved
- MSS-SP-67



### Pressure/Temperature



|            | 50                         | 65                         | 80                         | 100                        | 125                        | 150                        | 200                        | 250                        | 300                        |
|------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| A          | 142                        | 154.5                      | 161                        | 180                        | 193                        | 205                        | 250                        | 282                        | 326                        |
| B          | 60                         | 70                         | 85                         | 104                        | 120                        | 135                        | 171                        | 205                        | 248                        |
| C          | 56                         | 56                         | 56                         | 56                         | 56                         | 56                         | 71                         | 71                         | 71                         |
| D          | 120.65                     | 139.7                      | 152.4                      | 190.5                      | 215.9                      | 241.3                      | 298.45                     | 361.95                     | 431.8                      |
| E          | 11                         | 11                         | 11                         | 11                         | 14                         | 14                         | 17                         | 22                         | 22                         |
| F          | 70                         | 70                         | 70                         | 70                         | 70                         | 70                         | 102                        | 102                        | 102                        |
| G          | 90                         | 90                         | 90                         | 90                         | 90                         | 90                         | 125                        | 125                        | 125                        |
| H          | 19                         | 19                         | 19                         | 19                         | 19                         | 19                         | 25                         | 30                         | 30                         |
| H1         | 31                         | 31                         | 31                         | 36                         | 36                         | 36                         | 42                         | 42                         | 42                         |
| L          | 41.4                       | 44                         | 44.6                       | 51.4                       | 53.8                       | 55.1                       | 59.5                       | 65                         | 75.9                       |
| L1         | 176                        | 176                        | 176                        | 225                        | 225                        | 225                        | 300                        | 359                        | 359                        |
| N-M-UNC-2B | 4-5/<br>8-11<br>UNC<br>-2B | 4-5/<br>8-11<br>UNC<br>-2B | 4-5/<br>8-11<br>UNC<br>-2B | 8-5/<br>8-11<br>UNC<br>-2B | 8-3/<br>4-10<br>UNC<br>-2B | 8-3/<br>4-10<br>UNC<br>-2B | 8-3/<br>4-10<br>UNC<br>-2B | 12-7/<br>8-9<br>UNC<br>-2B | 12-7/<br>8-9<br>UNC<br>-2B |
| n-Äp       | 4x10                       | 4x10                       | 4x10                       | 4x10                       | 4x10                       | 4x10                       | 4x12                       | 4x12                       | 4x12                       |
| Kgs        | 2.35                       | 2.75                       | 3.05                       | 4.7                        | 5.5                        | 6.75                       | 11.6                       | 20.4                       | 29.1                       |

| N. | Part Name   | Materials                       |
|----|-------------|---------------------------------|
| 1  | Body        | Ductile Iron GGG40              |
| 2  | Disc        | Stainless Steel 316             |
| 3  | Seat        | WRAS EPDM                       |
| 4  | Upper Shaft | Stainless Steel 420             |
| 5  | Lower Shaft | Stainless Steel 420             |
| 6  | Bushing     | PTFE                            |
| 7  | Split Pin   | Spring Steel 65Mn               |
| 8  | Circlip     | Spring Steel 65Mn               |
| 9  | O-Ring      | WRAS EPDM                       |
| 10 | Ring        | Nylon 6 PA6                     |
| 11 | Lever       | DN50-150 Aluminium DN200-300 DI |
| 12 | Bolt        | Stainless Steel 304             |

We strongly advise gearbox on all 8", 10" and 12" valves.

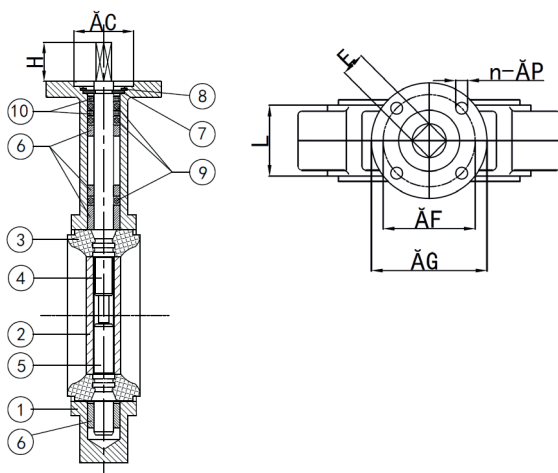
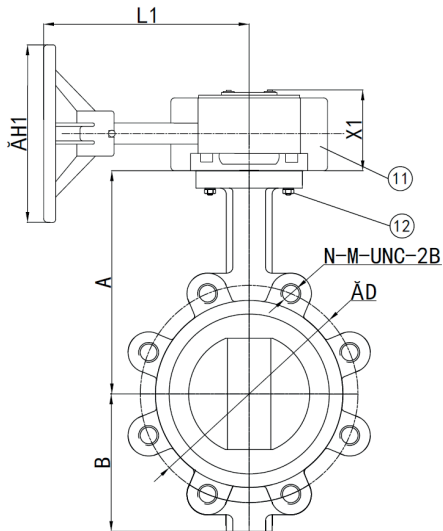
### Technical Data

|                     |                 |
|---------------------|-----------------|
| Maximum Pressure    | 16 Bar          |
| Working Temperature | -10°C to +110°C |

Dimensions in mm

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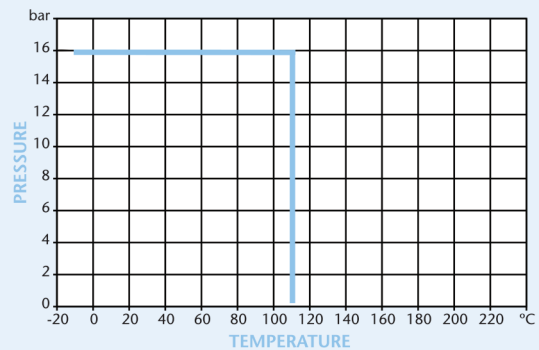


## ANSI 150 Ductile Iron Butterfly Valve Lugged & Tapped Type

### Features

- Flange Mounting ANSI Class 150
- BS5155 (BS EN 593)
- ISO 5211 Direct Mount
- Epoxy Coat Finish
- WRAS Approved
- MSS-SP-67

### Pressure/Temperature



|            | 50                  | 65                  | 80                  | 100                 | 125                 | 150                 | 200                 | 250                 | 300                 |
|------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|
| A          | 142                 | 154.5               | 161                 | 180                 | 193                 | 205                 | 250                 | 282                 | 326                 |
| B          | 60                  | 70                  | 85                  | 104                 | 120                 | 135                 | 171                 | 205                 | 248                 |
| C          | 56                  | 56                  | 56                  | 56                  | 56                  | 56                  | 71                  | 71                  | 71                  |
| D1         | 125                 | 145                 | 160                 | 180                 | 210                 | 240                 | 295                 | 355                 | 410                 |
| N-M-UNC-2B | 4-5/<br>8-11<br>UNC | 4-5/<br>8-11<br>UNC | 4-5/<br>8-11<br>UNC | 8-5/<br>8-11<br>UNC | 8-3/<br>4-10<br>UNC | 8-3/<br>4-10<br>UNC | 8-3/<br>4-10<br>UNC | 12-7/<br>8-9<br>UNC | 12-7/<br>8-9<br>UNC |
| E          | 11                  | 11                  | 11                  | 11                  | 14                  | 14                  | 17                  | 22                  | 22                  |
| F          | 70                  | 70                  | 70                  | 70                  | 70                  | 70                  | 102                 | 102                 | 102                 |
| G          | 90                  | 90                  | 90                  | 90                  | 90                  | 90                  | 125                 | 125                 | 125                 |
| L          | 41.4                | 44                  | 44.6                | 51.4                | 53.8                | 55.1                | 59.5                | 65                  | 75.9                |
| n-Äp       | 4-10                | 4-10                | 4-10                | 4-10                | 4-10                | 4-10                | 4-12                | 4-12                | 4-12                |
| H          | 19                  | 19                  | 19                  | 19                  | 19                  | 19                  | 25                  | 30                  | 30                  |
| H1         | 134                 | 134                 | 134                 | 134                 | 134                 | 134                 | 215                 | 215                 | 215                 |
| L1         | 145                 | 145                 | 145                 | 145                 | 145                 | 145                 | 216                 | 216                 | 216                 |
| X1         | 62                  | 62                  | 62                  | 62                  | 62                  | 62                  | 71                  | 71                  | 71                  |
| Kgs        | 5.35                | 5.75                | 6.05                | 7.7                 | 8.5                 | 9.75                | 17.6                | 26.4                | 35.1                |

| N. | Part Name   | Materials           |
|----|-------------|---------------------|
| 1  | Body        | Ductile Iron GGG40  |
| 2  | Disc        | Stainless Steel 316 |
| 3  | Seat        | WRAS EPDM           |
| 4  | Upper Shaft | Stainless Steel 420 |
| 5  | Lower Shaft | Stainless Steel 420 |
| 6  | Bushing     | PTFE                |
| 7  | Split Pin   | Spring Steel 65Mn   |
| 8  | Circlip     | Spring Steel 65Mn   |
| 9  | O-Ring      | WRAS EPDM           |
| 10 | Ring        | Nylon 6 PA6         |
| 11 | Gearbox     | Aluminium AL102     |
| 12 | Bolt        | Stainless Steel 304 |

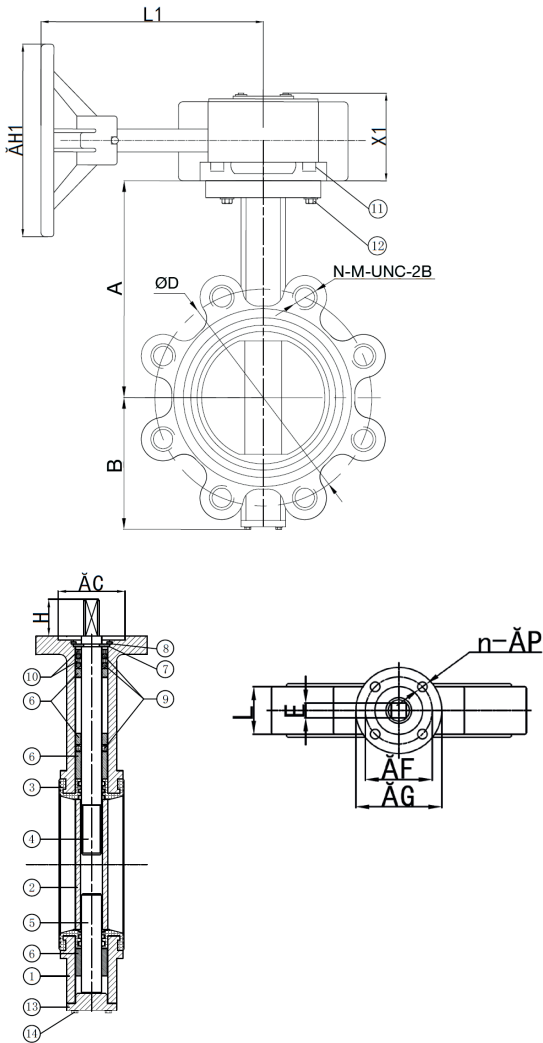
We strongly advise gearbox on all 8", 10" and 12" valves.

### Technical Data

Maximum Pressure 16 Bar  
Working Temperature -10°C to +110°C

Dimensions in mm

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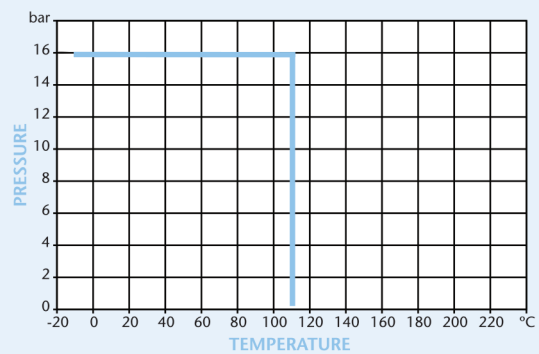


## ANSI 150 Ductile Iron Butterfly Valve Lugged & Tapped Type

### Features

- Flange Mounting ANSI Class 150
- BS5155 (BS EN 593)
- ISO 5211 Direct Mount
- Epoxy Coat Finish
- MSS-SP-67

### Pressure/Temperature



|              | 350          | 400          | 450              | 500              | 600              |
|--------------|--------------|--------------|------------------|------------------|------------------|
| ÄD           | 476.25       | 539.75       | 577.85           | 635              | 749.3            |
| N-M-UNC-2B   | 12-1-8UNC-2B | 16-1-8UNC-2B | 16-1.1/8-7UNC-2B | 20-1.1/8-7UNC-2B | 20-1.1/4-7UNC-2B |
| A            | 345          | 390          | 422              | 470              | 552              |
| B            | 262          | 305          | 341              | 373              | 445              |
| C            | 71           | 100.5        | 100.5            | 100.5            | 130.5            |
| H            | 40           | 52           | 52               | 64               | 70               |
| ÄG           | 125          | 175          | 175              | 175              | 210              |
| n-ÄP         | 4-12         | 4-18         | 4-18             | 4-18             | 4-23             |
| ÄF           | 102          | 140          | 140              | 140              | 165              |
| L            | 78           | 102          | 114              | 127              | 154              |
| E            | 22           | 27           | 27               | 27               | 36               |
| H1           | 300          | 300          | 300              | 300              | 300              |
| L1           | 225          | 131          | 131              | 131              | 138              |
| X1           | 84           | 264          | 264              | 296              | 307              |
| Torque (N.M) | 840          | 1260         | 2070             | 2670             | 5295             |
| Kgs          | 88           | 168          | 198              | 238.8            | 334.8            |

| N. | Part Name   | Materials           |
|----|-------------|---------------------|
| 1  | Body        | Ductile Iron GGG40  |
| 2  | Disc        | Stainless Steel 316 |
| 3  | Seat        | WRAS EPDM           |
| 4  | Upper Shaft | Stainless Steel 420 |
| 5  | Lower Shaft | Stainless Steel 420 |
| 6  | Bushing     | PTFE                |
| 7  | Split Pin   | Spring Steel 65Mn   |
| 8  | Circlip     | Spring Steel 65Mn   |
| 9  | O-Ring      | WRAS EPDM           |
| 10 | Ring        | Nylon 6 PA6         |
| 11 | Gearbox     | Aluminium AL102     |
| 12 | Bolt        | Stainless Steel 304 |

### Technical Data

Maximum Pressure 16 Bar  
Working Temperature -10°C to +110°C

Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

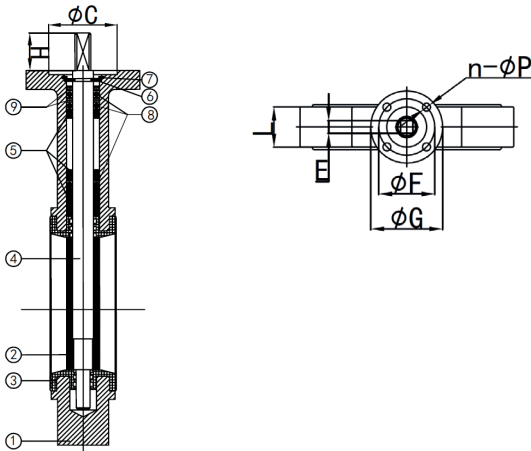
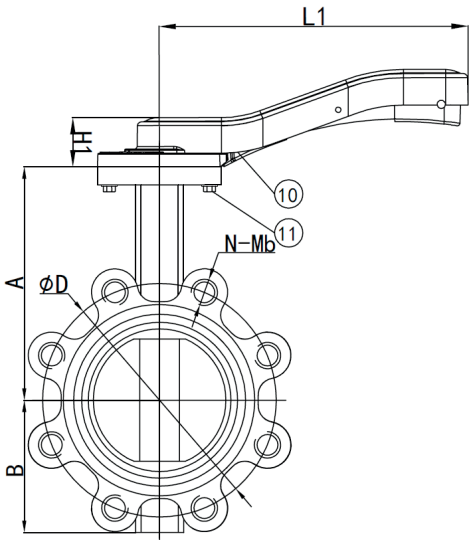
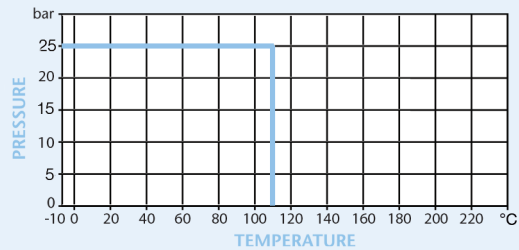


## PN25 Ductile Iron Butterfly Valve Lugged & Tapped Type

### Features

- Flange Mounting PN25 Only
- BS5155 (BS EN 593)
- ISO 5211 Direct Mount
- Lockable Handle
- Epoxy Coat Finish
- Vulcanised Liner

### Pressure/Temperature



We strongly advise gearbox on all 8", 10" and 12" valves.

### Technical Data

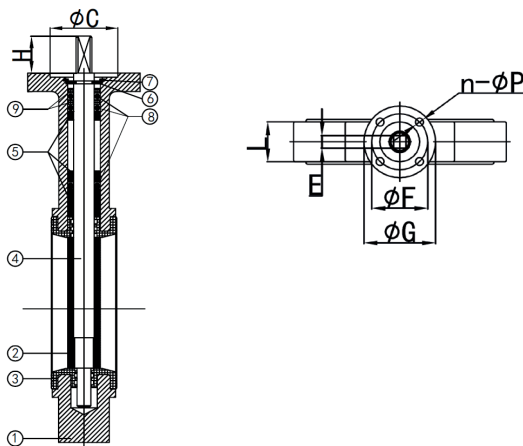
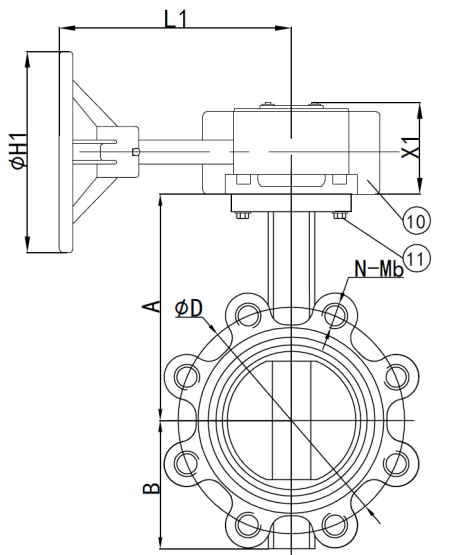
|                     |                 |
|---------------------|-----------------|
| Max Pressure        | 25 Bar          |
| Working Temperature | -10°C to +110°C |

| DN     | 50    | 65    | 80    | 100   | 125   | 150   |
|--------|-------|-------|-------|-------|-------|-------|
| A      | 141   | 153   | 161   | 178   | 193   | 204   |
| B      | 61    | 72    | 87    | 106   | 123   | 138   |
| C      | 56    | 56    | 56    | 56    | 56    | 56    |
| D      | 125   | 145   | 160   | 190   | 220   | 250   |
| N-Mb   | 4-M16 | 8-M16 | 8-M16 | 8-M20 | 8-M24 | 8-M24 |
| E      | 11    | 11    | 11    | 11    | 14    | 14    |
| F      | 70    | 70    | 70    | 70    | 70    | 70    |
| G      | 90    | 90    | 90    | 90    | 90    | 90    |
| L      | 43    | 46    | 46    | 52    | 56    | 56    |
| n-Øp   | 4-10  | 4-10  | 4-10  | 4-10  | 4-10  | 4-10  |
| H      | 19    | 19    | 19    | 19    | 19    | 19    |
| H1     | 31    | 31    | 31    | 36    | 36    | 36    |
| L1     | 176   | 176   | 176   | 225   | 225   | 225   |
| Torque | 22    | 26    | 36    | 73    | 90    | 106   |
| Kgs    | 4.5   | 6.5   | 7     | 10    | 16.5  | 17    |

| N. | Part Name  | Materials           |
|----|------------|---------------------|
| 1  | Body       | Ductile Iron GGG40  |
| 2  | Disc       | Stainless Steel 316 |
| 3  | Seat       | EPDM                |
| 4  | Shaft      | Stainless Steel 431 |
| 5  | Bushing    | Brass H65           |
| 6  | Cotter Pin | Spring Steel 65Mn   |
| 7  | Circlip    | Spring Steel 65Mn   |
| 8  | O-Ring     | NBR                 |
| 9  | Ring       | Nylon 6 PA6         |
| 10 | Handle     | AL102               |
| 11 | Bolt       | Stainless Steel 304 |

Dimensions in mm

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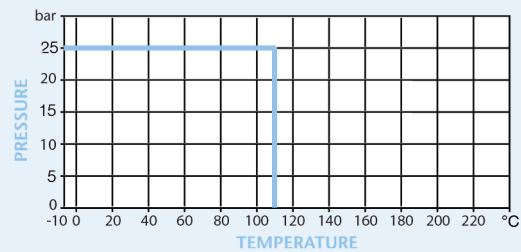


## PN25 Ductile Iron Butterfly Valve Lugged & Tapped Type

### Features

- Flange Mounting PN25 Only
- BS5155 (BS EN 593)
- ISO 5211 Direct Mount
- Epoxy Coat Finish
- Vulcanised Liner

### Pressure/Temperature



| DN         | 200    | 250    | 300    |
|------------|--------|--------|--------|
| A          | 247    | 280    | 324    |
| B          | 173    | 207    | 250    |
| C          | 71     | 71     | 71     |
| D          | 310    | 370    | 430    |
| N-Mb       | 12-M24 | 12-M27 | 16-M27 |
| E          | 17     | 22     | 22     |
| F          | 102    | 102    | 102    |
| G          | 125    | 125    | 125    |
| L          | 60     | 68     | 78     |
| n-Øp       | 4-12   | 4-12   | 4-12   |
| H          | 25     | 30     | 30     |
| H1         | 215    | 215    | 215    |
| L1         | 216    | 216    | 216    |
| X1         | 71     | 71     | 71     |
| Torque Kgs | 290    | 400    | 510    |
|            | 33     | 47     | 69     |

### Technical Data

|                     |                 |
|---------------------|-----------------|
| Max Pressure        | 25 Bar          |
| Working Temperature | -10°C to +110°C |

| N. | Part Name  | Materials           |
|----|------------|---------------------|
| 1  | Body       | Ductile Iron GGG40  |
| 2  | Disc       | Stainless Steel 316 |
| 3  | Seat       | EPDM                |
| 4  | Shaft      | Stainless Steel 431 |
| 5  | Bushing    | Brass H65           |
| 6  | Cotter Pin | Spring Steel 65Mn   |
| 7  | Circlip    | Spring Steel 65Mn   |
| 8  | O-Ring     | NBR                 |
| 9  | Ring       | Nylon 6 PA6         |
| 10 | Gearbox    | AL102               |
| 11 | Bolt       | Stainless Steel 304 |

Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

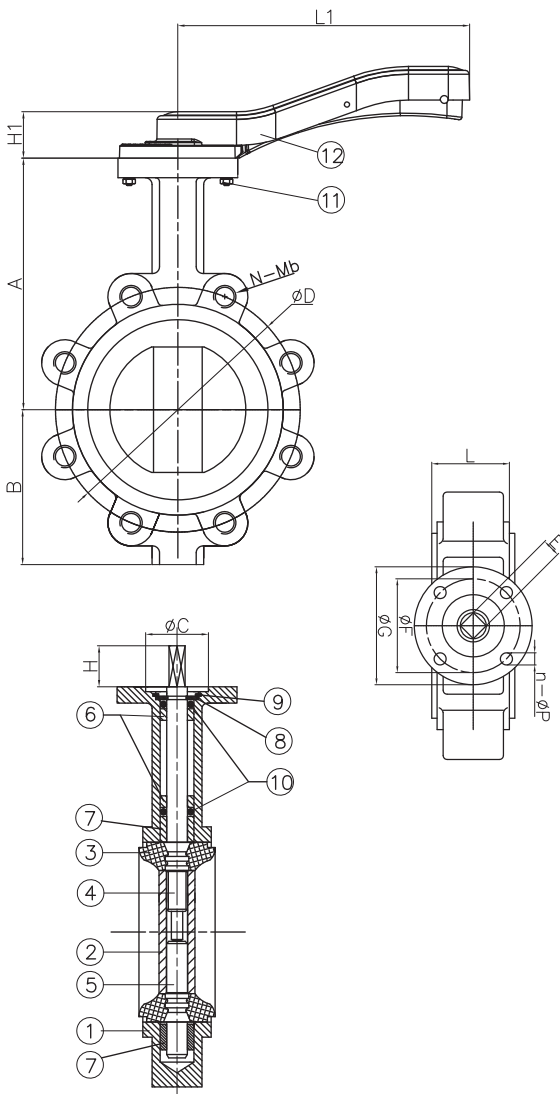
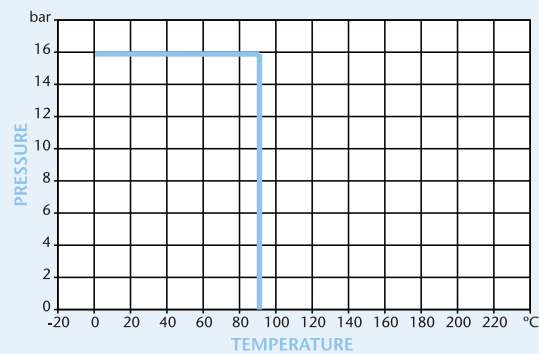


## Ductile Iron Butterfly Valve Lugged & Tapped Type

### Features

- Flange Mounting PN16 Only
- BS5155 (BS EN 593)
- ISO 5211 Direct Mount
- Lockable Handle
- Epoxy Coat Finish

### Pressure/Temperature



We strongly advise gearbox on all 8", 10" and 12" valves.

### Technical Data

Maximum Pressure 16 Bar  
Working Temperature 0°C to + 90°C

Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

| DN     | 50    | 65    | 80    | 100   | 125   | 150   | 200    | 250    | 300    |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| A      | 142   | 154   | 161   | 179   | 193   | 204   | 250    | 282    | 326    |
| B      | 75    | 80    | 91    | 110   | 125   | 137   | 178    | 208    | 241    |
| C      | 56    | 56    | 56    | 56    | 56    | 56    | 71     | 71     | 71     |
| D      | 125   | 145   | 160   | 180   | 210   | 240   | 295    | 355    | 410    |
| E      | 11    | 11    | 11    | 11    | 14    | 14    | 17     | 22     | 22     |
| F      | 70    | 70    | 70    | 70    | 70    | 70    | 102    | 102    | 102    |
| G      | 90    | 90    | 90    | 90    | 90    | 90    | 125    | 125    | 125    |
| H      | 19    | 19    | 19    | 19    | 19    | 19    | 25     | 30     | 30     |
| H1     | 31    | 31    | 31    | 36    | 36    | 36    | 42     | 42     | 42     |
| L      | 41.4  | 44    | 44.6  | 51.4  | 53.8  | 55.1  | 59.5   | 65     | 75.9   |
| L1     | 176   | 176   | 176   | 225   | 225   | 225   | 300    | 359    | 359    |
| N-Mb   | 4xM16 | 4xM16 | 8xM16 | 8xM16 | 8xM16 | 8xM20 | 12xM20 | 12xM24 | 12xM24 |
| n-Øp   | 4x10  | 4x10  | 4x10  | 4x10  | 4x10  | 4x10  | 4x12   | 4x12   | 4x12   |
| Torque | 19    | 21    | 28    | 43    | 60    | 91    | 194    | 295    | 412    |
| Kgs    | 3.55  | 3.95  | 5.25  | 7     | 8.65  | 10.1  | 18.2   | 26.8   | 35.5   |

| N. | Part Name   | Materials                        |
|----|-------------|----------------------------------|
| 1  | Body        | Ductile Iron GGG40               |
| 2  | Disc        | Ductile Iron / Nickel Plated     |
| 3  | Seat        | NBR                              |
| 4  | Upper Shaft | Stainless Steel 410              |
| 5  | Lower Shaft | Stainless Steel 411              |
| 6  | Short Bush  | PTFE                             |
| 7  | Long Bush   | PTFE                             |
| 8  | Split Pin   | Spring Steel                     |
| 9  | Circlip     | Spring Steel                     |
| 10 | O-Ring      | EPDM                             |
| 11 | Bolt        | Carbon Steel                     |
| 12 | Lever       | DN 50-150 Aluminium DN200-300 DI |

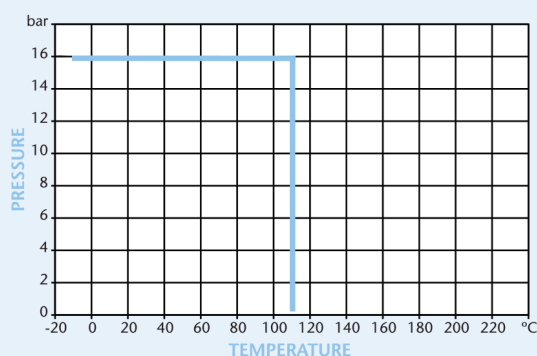
## Ductile Iron Butterfly Valve Double Flanged Type

### Features

- Flange Mounting PN16 Only
- BS5155 (BS EN 593)
- ISO 5211 Direct Mount
- Lockable Handle
- Epoxy Paint Finish
- Vulcanised Liner
- BS EN558-1 Series 13

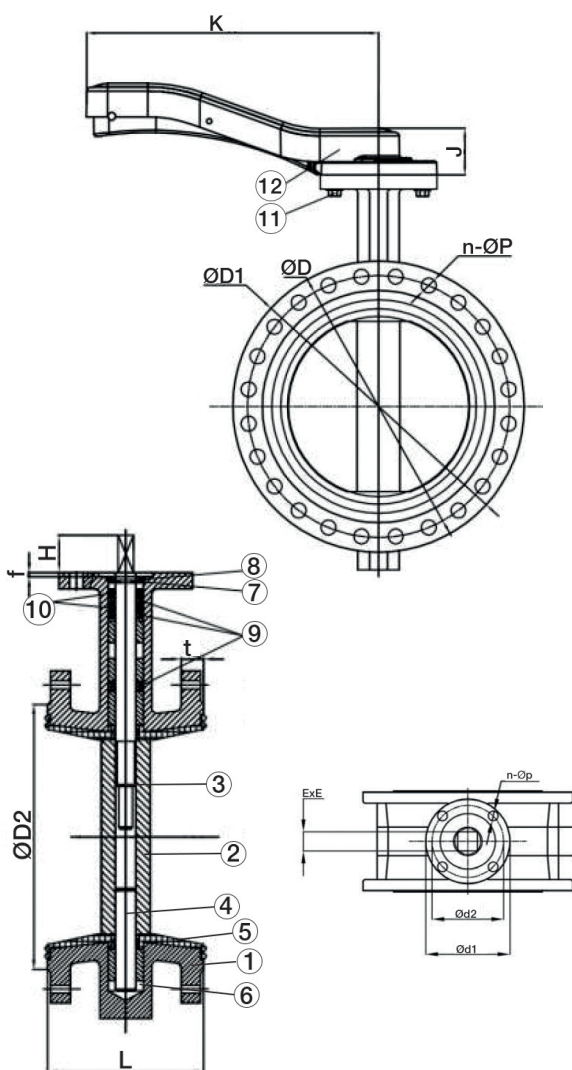


### Pressure/Temperature



|        | 50   | 65   | 80   | 100  | 125  | 150  | 200   | 250   | 300   |
|--------|------|------|------|------|------|------|-------|-------|-------|
| K      | 176  | 176  | 176  | 225  | 225  | 225  | 300   | 359   | 359   |
| J      | 31   | 31   | 31   | 36   | 36   | 36   | 40    | 40    | 40    |
| n-ØP   | 4-19 | 4-19 | 8-19 | 8-19 | 8-19 | 8-23 | 12-23 | 12-28 | 12-28 |
| D      | 125  | 145  | 160  | 180  | 210  | 240  | 295   | 355   | 410   |
| D1     | 165  | 185  | 200  | 220  | 250  | 285  | 340   | 405   | 460   |
| f      | 3    | 3    | 3    | 3    | 3    | 3    | 3     | 3     | 3     |
| H      | 19   | 19   | 19   | 19   | 19   | 19   | 25    | 30    | 30    |
| t      | 19   | 19   | 19   | 19   | 19   | 19   | 20    | 22    | 24.5  |
| L      | 108  | 112  | 114  | 127  | 140  | 140  | 152   | 165   | 178   |
| D2     | 99   | 118  | 132  | 156  | 184  | 211  | 266   | 319   | 370   |
| ExE    | 11   | 11   | 11   | 11   | 14   | 14   | 17    | 22    | 22    |
| n-Øp   | 4-10 | 4-10 | 4-10 | 4-10 | 4-10 | 4-10 | 4-12  | 4-12  | 4-12  |
| d1     | 90   | 90   | 90   | 90   | 90   | 90   | 125   | 125   | 125   |
| d2     | 70   | 70   | 70   | 70   | 70   | 70   | 102   | 102   | 102   |
| ISO    | F07  | F07  | F07  | F07  | F07  | F07  | F10   | F10   | F10   |
| Torque | 20   | 23   | 34   | 52   | 101  | 120  | 293   | 390   | 468   |

| N. | Part Name   | Materials                       |
|----|-------------|---------------------------------|
| 1  | Body        | Ductile Iron GGG40              |
| 2  | Disc        | Stainless Steel 316             |
| 3  | Upper Shaft | Stainless Steel 420             |
| 4  | Lower Shaft | Stainless Steel 420             |
| 5  | Seat        | EPDM                            |
| 6  | Bushing     | PTFE                            |
| 7  | Cotter Pin  | Plated Steel 65Mn               |
| 8  | Circlip     | Plated Steel 65Mn               |
| 9  | O-Ring      | NBR                             |
| 10 | Ring        | Nylon PA6                       |
| 11 | Bolt        | Stainless Steel 304             |
| 12 | Handle      | DN50-150 Aluminium DN200-300 DI |



We strongly advise gearbox on all 8", 10" and 12" valves.

### Technical Data

|                     |                 |
|---------------------|-----------------|
| Maximum Pressure    | 16 Bar          |
| Working Temperature | -10°C to +110°C |

Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

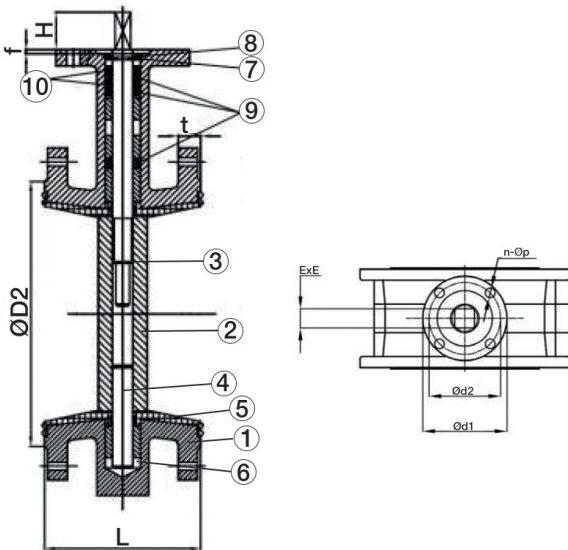
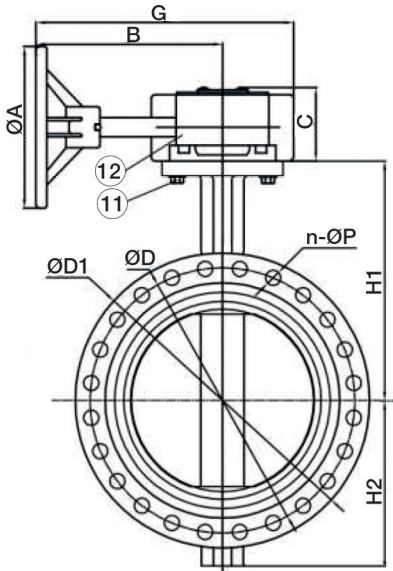
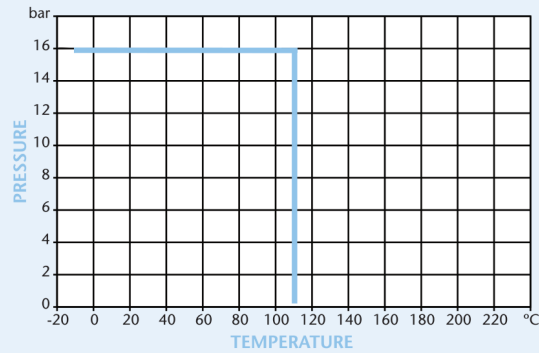


## Ductile Iron Butterfly Valve Double Flanged Type

### Features

- Flange Mounting PN16 Only
- BS5155 (BS EN 593)
- ISO 5211 Direct Mount
- Gearbox
- Epoxy Paint Finish
- Vulcanised Liner
- BS EN558-1 Series 13

### Pressure/Temperature



### Technical Data

|                     |                 |
|---------------------|-----------------|
| Maximum Pressure    | 16 Bar          |
| Working Temperature | -10°C to +110°C |

|        | 50   | 65   | 80   | 100  | 125  | 150  | 200   | 250   | 300   | 350   |
|--------|------|------|------|------|------|------|-------|-------|-------|-------|
| G      | 205  | 205  | 205  | 205  | 205  | 205  | 302   | 302   | 302   | 307   |
| B      | 145  | 145  | 145  | 145  | 145  | 145  | 216   | 216   | 216   | 225   |
| A      | 134  | 134  | 134  | 134  | 134  | 134  | 215   | 215   | 215   | 300   |
| C      | 62   | 62   | 62   | 62   | 62   | 62   | 71    | 71    | 71    | 84    |
| H1     | 139  | 146  | 150  | 177  | 179  | 201  | 230   | 267   | 298   | 310   |
| H2     | 80   | 89   | 95   | 114  | 125  | 139  | 170   | 198   | 223   | 254   |
| n-ØP   | 4-19 | 4-19 | 8-19 | 8-19 | 8-19 | 8-23 | 12-23 | 12-28 | 12-28 | 16-28 |
| D      | 125  | 145  | 160  | 180  | 210  | 240  | 295   | 355   | 410   | 470   |
| D1     | 165  | 185  | 200  | 220  | 250  | 285  | 340   | 405   | 460   | 520   |
| f      | 3    | 3    | 3    | 3    | 3    | 3    | 3     | 3     | 3     | 3     |
| H      | 19   | 19   | 19   | 19   | 19   | 19   | 25    | 30    | 30    | 40    |
| t      | 19   | 19   | 19   | 19   | 19   | 19   | 20    | 22    | 24.5  | 26.5  |
| L      | 108  | 112  | 114  | 127  | 140  | 140  | 152   | 165   | 178   | 190   |
| D2     | 99   | 118  | 132  | 156  | 184  | 211  | 266   | 319   | 370   | 429   |
| ExE    | 11   | 11   | 11   | 11   | 14   | 14   | 17    | 22    | 22    | 22    |
| n-Øp   | 4-10 | 4-10 | 4-10 | 4-10 | 4-10 | 4-10 | 4-12  | 4-12  | 4-12  | 4-12  |
| d1     | 90   | 90   | 90   | 90   | 90   | 90   | 125   | 125   | 125   | 125   |
| d2     | 70   | 70   | 70   | 70   | 70   | 70   | 102   | 102   | 102   | 102   |
| ISO    | F07  | F07  | F07  | F07  | F07  | F07  | F10   | F10   | F10   | F10   |
| Torque | 20   | 23   | 34   | 52   | 101  | 120  | 293   | 390   | 468   | 927   |

| N. | Part Name   | Materials                    |
|----|-------------|------------------------------|
| 1  | Body        | Ductile Iron GGG40           |
| 2  | Disc        | Stainless Steel 316          |
| 3  | Upper Shaft | Stainless Steel 420          |
| 4  | Lower Shaft | Stainless Steel 420          |
| 5  | Seat        | EPDM                         |
| 6  | Bushing     | PTFE                         |
| 7  | Cotter Pin  | Plated Steel 65Mn            |
| 8  | Circlip     | Plated Steel 65Mn            |
| 9  | O-Ring      | NBR                          |
| 10 | Ring        | Nylon PA6                    |
| 11 | Bolt        | Stainless Steel 304          |
| 12 | Gearbox     | DN50-300 Aluminium. DN350 DI |

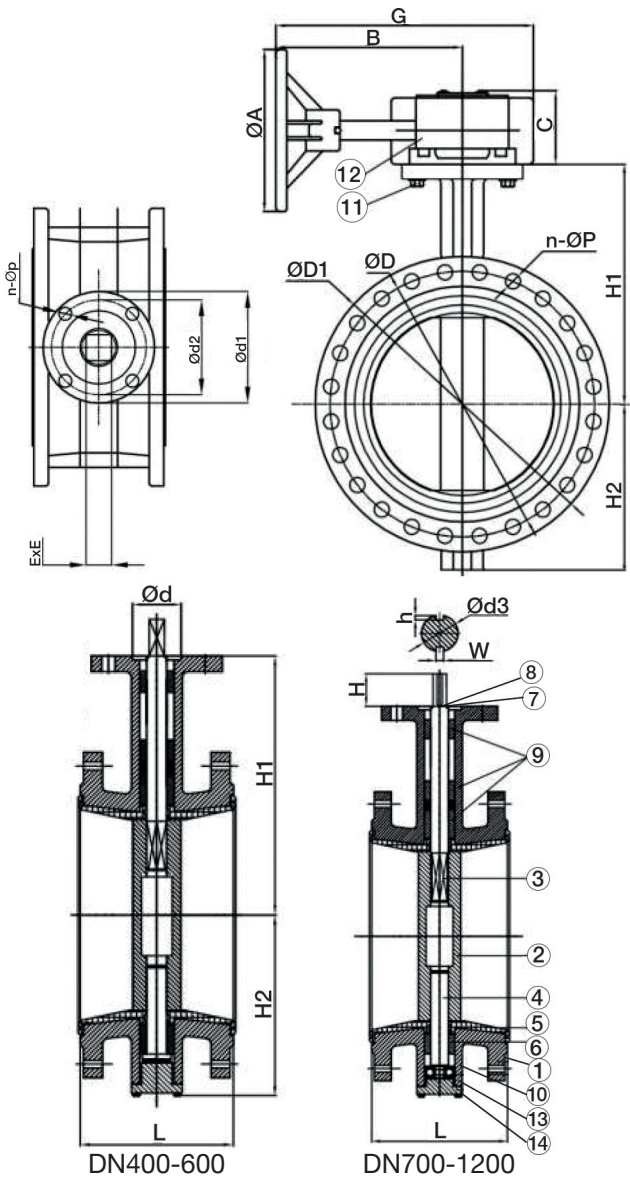
Dimensions in mm

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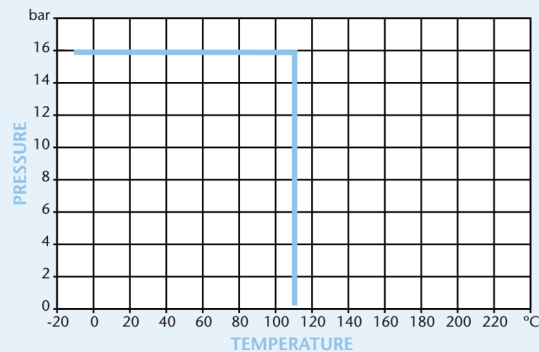
## Ductile Iron Butterfly Valve Double Flanged Type

### Features

- Flange Mounting PN16 Only
- BS5155 (BS EN 593)
- ISO 5211 Direct Mount
- Gearbox
- Epoxy Paint Finish
- Vulcanised Liner
- BS EN558-1 Series 13



### Pressure/Temperature



|        | 400   | 450   | 500   | 600   | 700   | 800   | 900   | 1000  | 1200  |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| G      | 375   | 375   | 375   | 441   | 538   | 538   | 627   | 627   | 645   |
| B      | 264   | 264   | 264   | 307   | 364   | 364   | 430   | 430   | 465   |
| A      | 300   | 300   | 300   | 300   | 430   | 430   | 430   | 430   | 430   |
| C      | 131   | 131   | 131   | 138   | 159   | 159   | 228   | 228   | 253   |
| H1     | 340   | 375   | 430   | 500   | 560   | 620   | 685   | 735   | 917   |
| H2     | 303   | 340   | 373   | 435   | 505   | 555   | 630   | 695   | 805   |
| n-ØP   | 16-31 | 20-31 | 20-34 | 20-37 | 24-37 | 24-41 | 28-41 | 28-44 | 32-50 |
| D      | 525   | 585   | 650   | 770   | 840   | 950   | 1050  | 1170  | 1390  |
| D1     | 580   | 640   | 715   | 840   | 910   | 1025  | 1125  | 1255  | 1485  |
| d      | 100.5 | 100.5 | 100.5 | 130.5 | 200   | 200   | 200   | 200   | 230   |
| H      | 52    | 52    | 64    | 70    | 65    | 65    | 125   | 142   | 142   |
| h      |       |       |       |       | 6     | 6     | 9     | 9     | 10    |
| W      |       |       |       |       | 16    | 16    | 22    | 22    | 28    |
| L      | 216   | 222   | 229   | 267   | 292   | 318   | 330   | 410   | 470   |
| d3     |       |       |       |       | 63.4  | 63.4  | 75    | 85    | 105   |
| ExE    | 27    | 27    | 27    | 36    |       |       |       |       |       |
| n-Øp   | 4-18  | 4-18  | 4-18  | 4-23  | 8-18  | 8-18  | 8-18  | 8-18  | 8-22  |
| d1     | 175   | 175   | 175   | 210   | 300   | 300   | 300   | 300   | 350   |
| d2     | 140   | 140   | 140   | 165   | 254   | 254   | 254   | 254   | 298   |
| ISO    | F14   | F14   | F14   | F16   | F25   | F25   | F25   | F25   | F30   |
| Torque | 1755  | 1950  | 2773  | 5070  | 7670  | 9100  | 13350 | 19500 | 34500 |

| N. | Part Name        | Materials                                 |
|----|------------------|---|
| 1  | Body             | Ductile Iron GGG40                        |
| 2  | Disc             | Stainless Steel 316                       |
| 3  | Upper Shaft      | DN400-600 St St 420. DN700-1200 St St 431 |
| 4  | Lower Shaft      | DN400-600 St St 420. DN700-1200 St St 431 |
| 5  | Seat             | EPDM                                      |
| 6  | Bushing          | DN400-600 PTFE. DN700-1200 Brass H59      |
| 7  | Cotter Pin       | Plated Steel 65Mn                         |
| 8  | Circlip          | Plated Steel 65Mn                         |
| 9  | O-Ring           | NBR                                       |
| 10 | Ring             | Nylon PA6                                 |
| 11 | Bolt             | Stainless Steel 304                       |
| 12 | Gearbox          | Ductile Iron                              |
| 13 | End Cover        | Ductile Iron GGG40                        |
| 14 | Pressure Bearing | Steel                                     |

### Technical Data

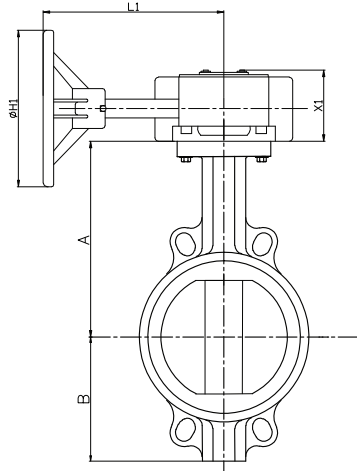
|                     |                 |
|---------------------|-----------------|
| Maximum Pressure    | 16 Bar          |
| Working Temperature | -10°C to +110°C |

Dimensions in mm

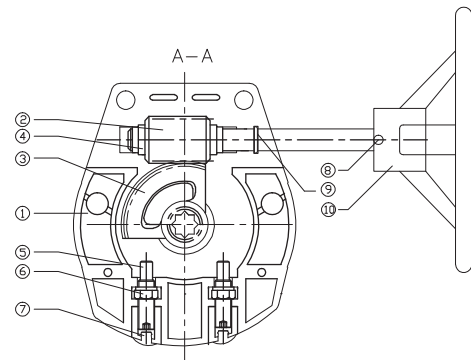
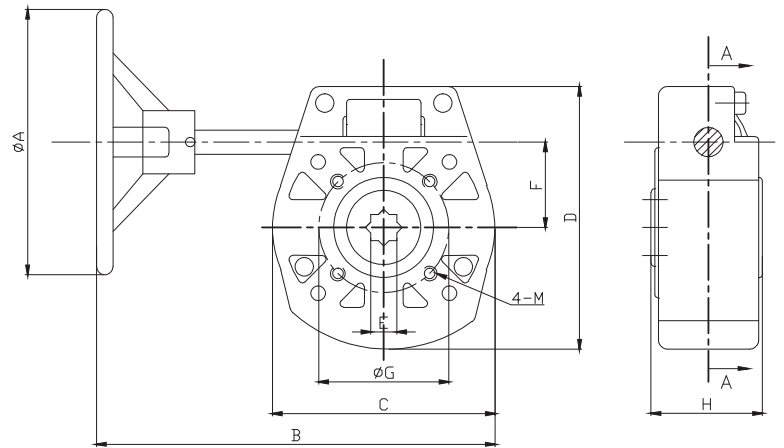
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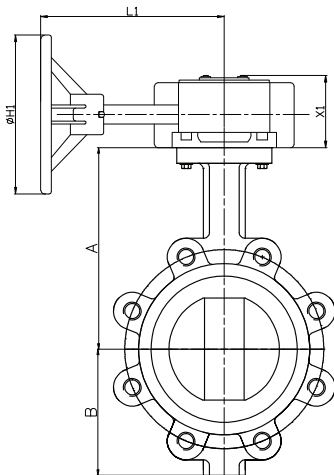
## Gearbox when fitted to ART110, 115, 120



| DN | 50  | 65  | 80  | 100 | 125 | 150 | 200 | 250 | 300 |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| A  | 142 | 154 | 161 | 179 | 193 | 204 | 250 | 282 | 326 |
| B  | 60  | 78  | 87  | 105 | 120 | 138 | 174 | 209 | 242 |
| H1 | 134 | 134 | 134 | 134 | 134 | 134 | 215 | 215 | 215 |
| L1 | 145 | 145 | 145 | 145 | 145 | 145 | 216 | 216 | 216 |
| X1 | 62  | 62  | 62  | 62  | 62  | 62  | 71  | 71  | 71  |



## Gearbox when fitted to ART135, 145



| DN | 50  | 65  | 80  | 100 | 125 | 150 | 200 | 250 | 300 |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| A  | 142 | 154 | 161 | 179 | 193 | 204 | 250 | 282 | 326 |
| B  | 75  | 80  | 91  | 110 | 125 | 137 | 178 | 208 | 241 |
| H1 | 134 | 134 | 134 | 134 | 134 | 134 | 215 | 215 | 215 |
| L1 | 145 | 145 | 145 | 145 | 145 | 145 | 216 | 216 | 216 |
| X1 | 62  | 62  | 62  | 62  | 62  | 62  | 71  | 71  | 71  |

| DN  | 2"-6" | 8"-12" |
|-----|-------|--------|
| A   | 134   | 215    |
| B   | 205   | 302    |
| C   | 120   | 172    |
| D   | 132   | 189    |
| E   | 14    | 22     |
| F   | 46    | 70     |
| G   | 70    | 102    |
| H   | 62    | 72     |
| 4-M | 4-M8  | 4-M10  |

| N. | Part Name   | Materials    |
|----|-------------|--------------|
| 1  | Body        | Aluminium    |
| 2  | Worm Gear   | Carbon Steel |
| 3  | Worm Wheel  | Ductile Iron |
| 4  | Bushing     | Brass        |
| 5  | Limit Bolt  | Carbon Steel |
| 6  | Stop Nut    | Carbon Steel |
| 7  | Rubber Plug | Rubber       |
| 8  | Pin         | Carbon Steel |
| 9  | O-Ring      | NBR          |
| 10 | Hand Wheel  | Aluminium    |

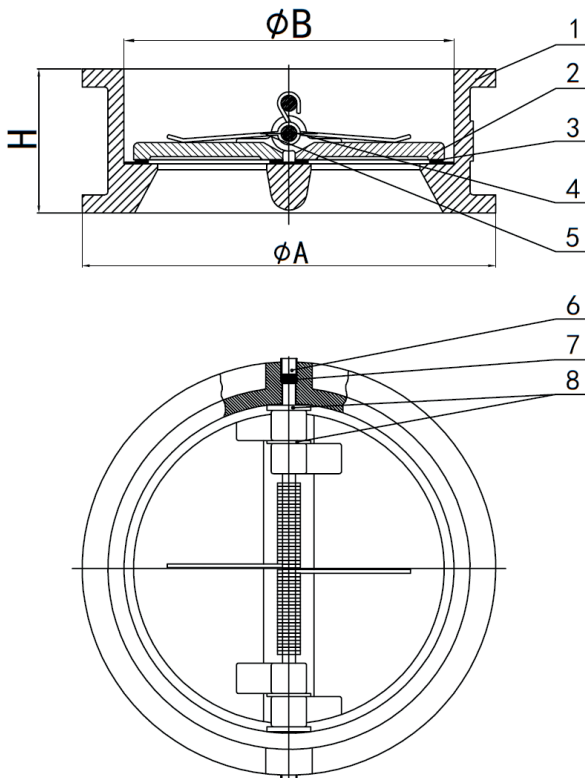
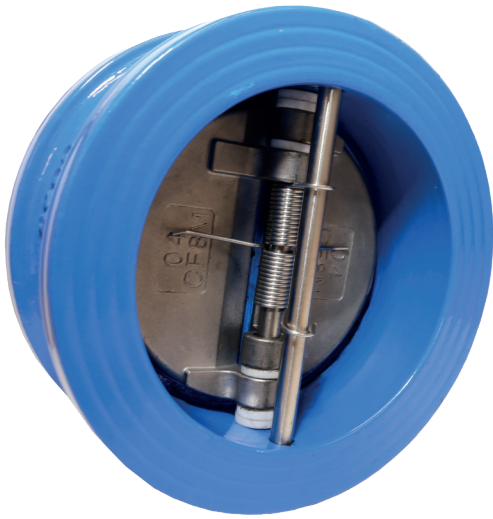
Dimensions in mm

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## Cast Iron Dual Plate Wafer Check Valve

### Features

- Universal Flange Mounting to suit BS EN 1092 PN10 / PN16 and ANSI B16.42 Class 150
- Conforms to BS EN 558-1 Series 16
- Epoxy Coat Finish



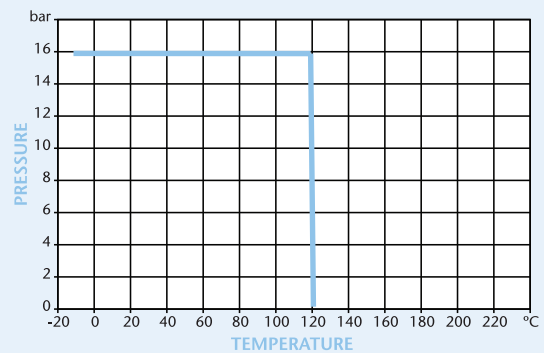
### Technical Data

Maximum Pressure 16 Bar  
Working Temperature -10°C to +120°C

Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

### Pressure/Temperature



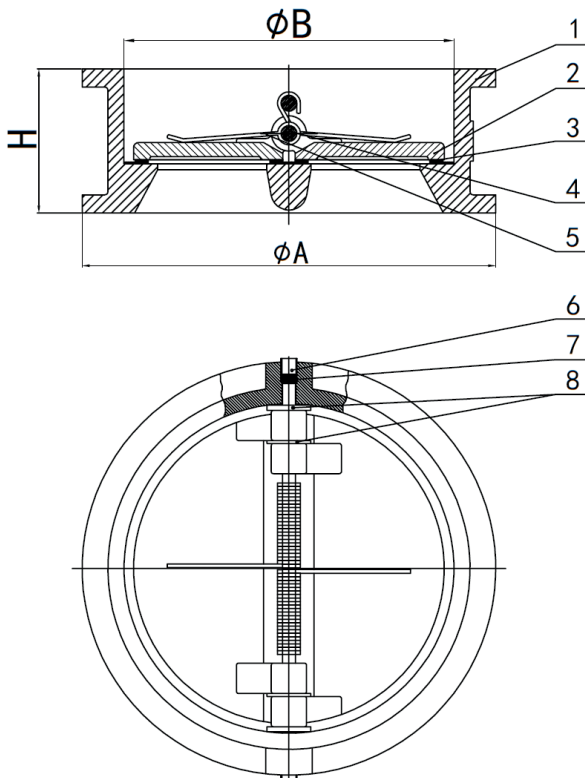
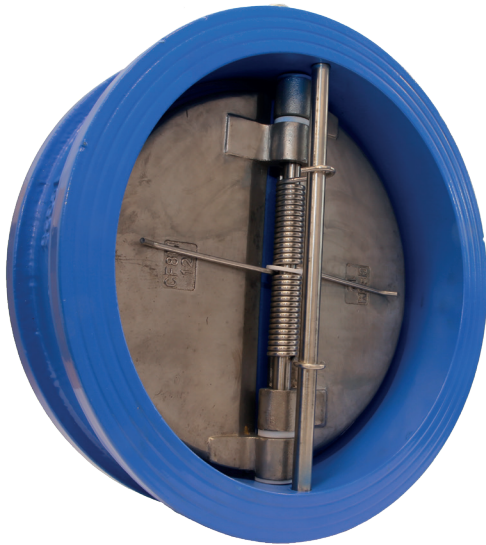
| DN  | 50  | 65  | 80  | 100 | 125 | 150 | 200 | 250 | 300 |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| A   | 107 | 127 | 142 | 162 | 192 | 218 | 273 | 328 | 378 |
| B   | 65  | 80  | 94  | 117 | 145 | 170 | 224 | 265 | 310 |
| H   | 43  | 46  | 64  | 64  | 70  | 76  | 89  | 114 | 114 |
| Kgs | 2   | 2.5 | 3.5 | 5   | 6   | 9   | 15  | 27  | 38  |

| N. | Part Name | Materials            |
|----|-----------|----------------------|
| 1  | Body      | Cast Iron GG25       |
| 2  | Disc      | Stainless Steel CF8M |
| 3  | Seat      | EPDM                 |
| 4  | Shaft     | Stainless Steel 420  |
| 5  | Spring    | Stainless Steel 316  |
| 6  | Plug      | Steel                |
| 7  | Plug      | NBR                  |
| 8  | Washer    | PTFE                 |

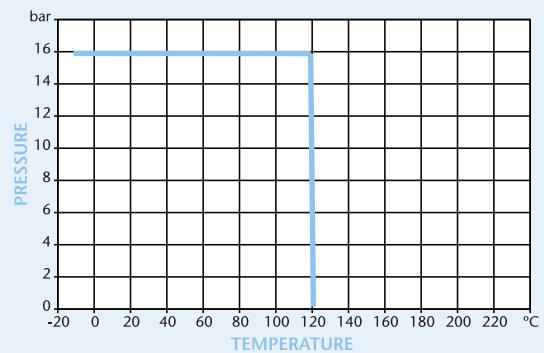
## Cast Iron Dual Plate Wafer Check Valve

### Features

- Flange Mounting to suit BS EN 1092 PN16 only
- Conforms to BS EN 558-1 Series 16
- Epoxy Coat Finish



### Pressure/Temperature



| DN  | 350 | 400 | 450 | 500 | 600 |
|-----|-----|-----|-----|-----|-----|
| A   | 442 | 495 | 555 | 617 | 734 |
| B   | 360 | 410 | 450 | 505 | 624 |
| H   | 127 | 140 | 152 | 152 | 178 |
| Kgs | 69  | 80  | 103 | 118 | 192 |

| N. | Part Name | Materials            |
|----|-----------|----------------------|
| 1  | Body      | Cast Iron GG25       |
| 2  | Disc      | Stainless Steel CF8M |
| 3  | Seat      | EPDM                 |
| 4  | Shaft     | Stainless Steel 420  |
| 5  | Spring    | Stainless Steel 316  |
| 6  | Plug      | Steel                |
| 7  | Plug      | NBR                  |
| 8  | Washer    | PTFE                 |

### Technical Data

Maximum Pressure 16 Bar  
Working Temperature -10°C to +120°C

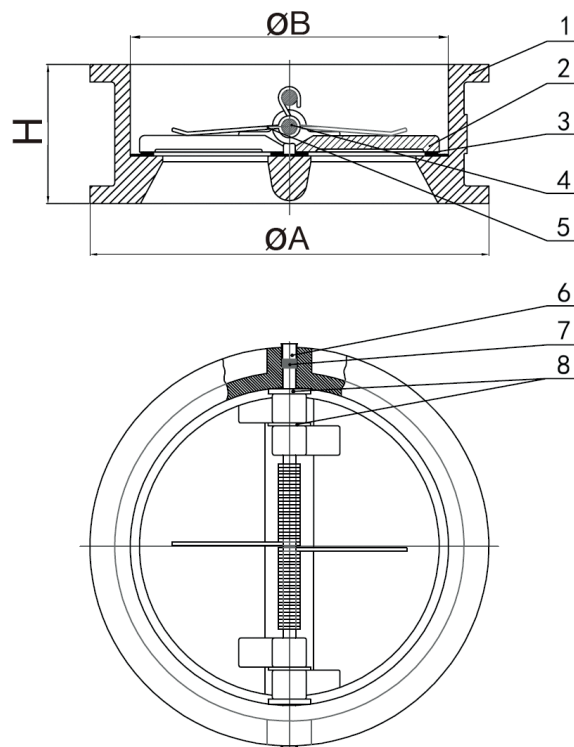
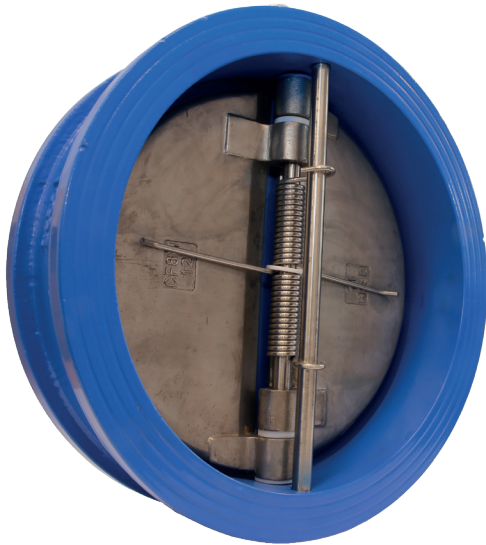
Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

## Cast Iron Dual Plate Wafer Check Valve

### Features

- Flange Mounting to suit ANSI B16.42 Class 150 only
- Conforms to API 594
- Epoxy Coat Finish



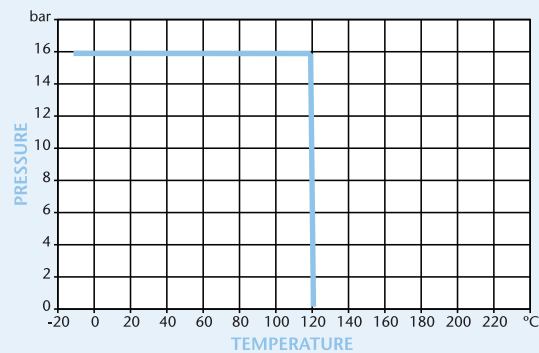
### Technical Data

Maximum Pressure 16 Bar  
Working Temperature -10°C to +120°C

Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

### Pressure/Temperature



| DN  | 350 | 400 | 450 | 500 | 600 |
|-----|-----|-----|-----|-----|-----|
| A   | 447 | 511 | 546 | 603 | 714 |
| B   | 375 | 416 | 467 | 514 | 616 |
| H   | 184 | 191 | 203 | 219 | 222 |
| Kgs | 69  | 80  | 103 | 118 | 192 |

| N. | Part Name | Materials            |
|----|-----------|----------------------|
| 1  | Body      | Cast Iron GG25       |
| 2  | Disc      | Stainless Steel CF8M |
| 3  | Seat      | EPDM                 |
| 4  | Shaft     | Stainless Steel 410  |
| 5  | Spring    | Stainless Steel 316  |
| 6  | Plug      | Steel                |
| 7  | Plug      | NBR                  |
| 8  | Washer    | PTFE                 |

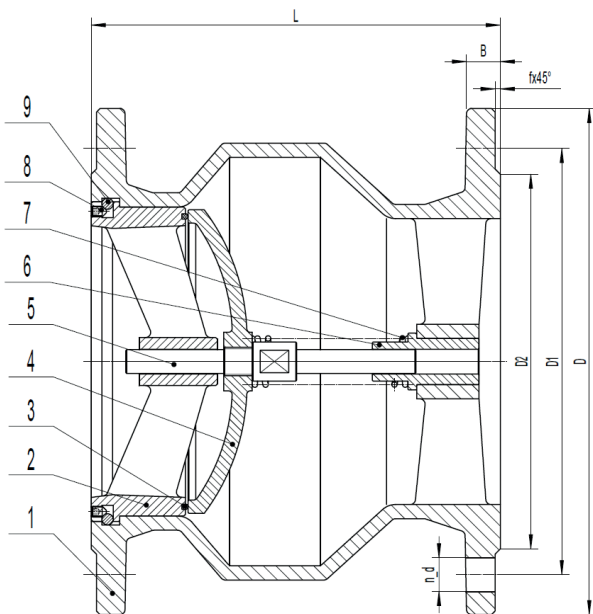
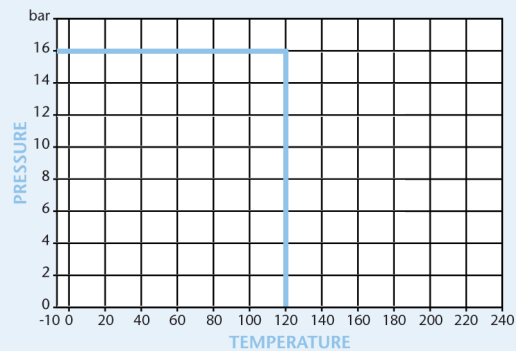
## PN16 Ductile Iron Silent Check Valve

### Features

- Flange conforms to BS EN1092 PN16
- Valve design conforms to BS EN12334
- Valve inspection and testing in accordance with BS EN12266



### Pressure/Temperature



|     | 2"   | 2½"  | 3"   | 4"   | 5"   | 6"   | 8"    | 10"   | 12"   | 14"   | 16"   |
|-----|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| L   | 133  | 140  | 152  | 185  | 216  | 230  | 259   | 362   | 393   | 400   | 448   |
| D   | 165  | 185  | 200  | 220  | 250  | 285  | 340   | 405   | 460   | 520   | 580   |
| D1  | 125  | 145  | 160  | 180  | 210  | 240  | 295   | 355   | 410   | 470   | 525   |
| D2  | 99   | 118  | 132  | 156  | 184  | 211  | 266   | 319   | 370   | 429   | 480   |
| B   | 19   | 19   | 19   | 19   | 19   | 19   | 20    | 22    | 24.5  | 26.5  | 28    |
| f   | 3    | 3    | 3    | 3    | 3    | 3    | 3     | 3     | 4     | 4     | 4     |
| n-d | 4-19 | 4-19 | 8-19 | 8-19 | 8-19 | 8-23 | 12-12 | 12-28 | 12-28 | 16-28 | 16-31 |
| Kgs | 7.6  | 9.4  | 10.2 | 13.6 | 18.7 | 25.1 | 39.6  | 70.1  | 95.2  | 143.4 | 196   |

### Technical Data

|                     |                 |
|---------------------|-----------------|
| Max Pressure        | 16 Bar          |
| Working Temperature | -10°C to +120°C |

Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

| N. | Part Name | Materials                              |
|----|-----------|--|
| 1  | Body      | Ductile Iron - BS EN1563 EN-GJS-450-10 |
| 2  | Seat Body | Ductile Iron - BS EN1563 EN-GJS-450-10 |
| 3  | Seat      | EPDM                                   |
| 4  | Disc      | Ductile Iron - BS EN1563 EN-GJS-450-10 |
| 5  | Stem      | Stainless Steel - BS970 304S15         |
| 6  | Bushing   | Brass - BS2874 CZ122                   |
| 7  | Spring    | Stainless Steel - BS970 304S15         |
| 8  | Screw     | Stainless Steel - BS970 304S15         |
| 9  | Ball      | Stainless Steel - BS970 304S15         |

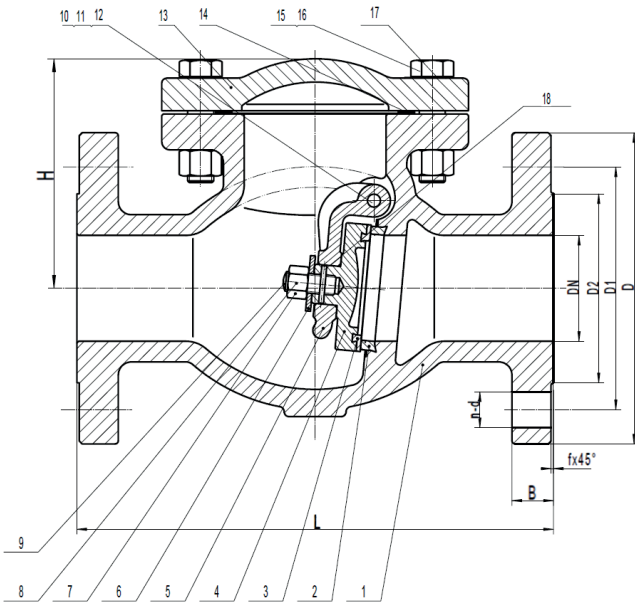
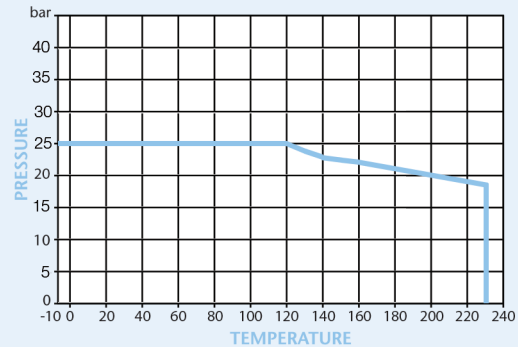
## PN25 Cast Iron Swing Check Valve

### Features

- Flange Mounting PN25 Only
- Flange conforms to BS EN1092 PN25
- BS5153 (BS EN 558-1 Series 21)



### Pressure/Temperature



|     | 2"   | 2½"  | 3"   | 4"   | 5"   | 6"    | 8"    | 10"   | 12"   |
|-----|------|------|------|------|------|-------|-------|-------|-------|
| L   | 267  | 292  | 318  | 356  | 400  | 444   | 533   | 622   | 711   |
| D   | 165  | 191  | 210  | 254  | 279  | 318   | 381   | 445   | 521   |
| D1  | 125  | 145  | 160  | 190  | 220  | 250   | 310   | 370   | 430   |
| D2  | 99   | 118  | 132  | 156  | 184  | 211   | 274   | 330   | 389   |
| B   | 22.2 | 25.4 | 28.6 | 31.8 | 34.9 | 36.5  | 41.3  | 47.6  | 50.8  |
| n-d | 4-19 | 8-19 | 8-19 | 8-23 | 8-28 | 8-28  | 12-28 | 12-31 | 16-31 |
| f   | 3    | 3    | 3    | 3    | 3    | 3     | 3     | 3     | 4     |
| H   | 135  | 150  | 166  | 190  | 206  | 244   | 291   | 337   | 383   |
| Kgs | 17.6 | 31   | 35.8 | 55.7 | 80.4 | 110.9 | 180   | 277   | 408.5 |

| N. | Part Name            | Materials                              |
|----|----------------------|--|
| 1  | Body                 | Cast Iron - BS EN1561 EN-GJL-250       |
| 2  | Seat Ring            | Cast Bronze - BS1400 LG2               |
| 3  | Disc Ring            | Cast Bronze - BS1400 LG2               |
| 4  | Disc                 | Cast Iron - BS EN1561 EN-GJL-250       |
| 5  | Hanger               | Ductile Iron - BS EN1563 EN-GJS-450-10 |
| 6  | Washer               | Stainless Steel - BS970 304S15         |
| 7  | Nut                  | Stainless Steel - BS970 304S15         |
| 8  | Split Pin            | Stainless Steel - BS970 304S15         |
| 9  | Disc Screw           | Stainless Steel - BS970 304S15         |
| 10 | Side Pin             | Brass - BS2874 CZ122                   |
| 11 | Gasket               | Teflon                                 |
| 12 | Hanger Pin           | Stainless Steel - BS970 304S15         |
| 13 | Bonnet               | Cast Iron - BS EN1561 EN-GJL-250       |
| 14 | Gasket               | EPDM - BS EN681-1 IRHD66-75            |
| 15 | Bolt                 | Stainless Steel - BS970 304S15         |
| 16 | Nut                  | Stainless Steel - BS970 304S15         |
| 17 | Identification Plate | Aluminium                              |
| 18 | Pin                  | Stainless Steel - BS970 304S15         |

### Technical Data

Maximum Pressure 25 Bar  
 Working Temperature -10°C to +230°C

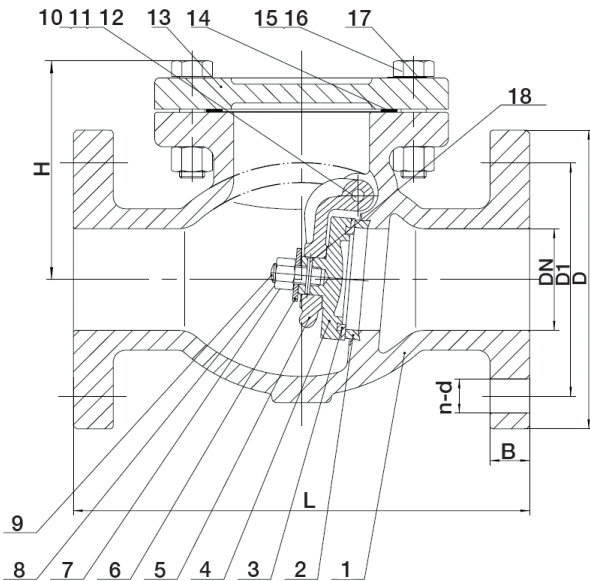
Dimensions in mm

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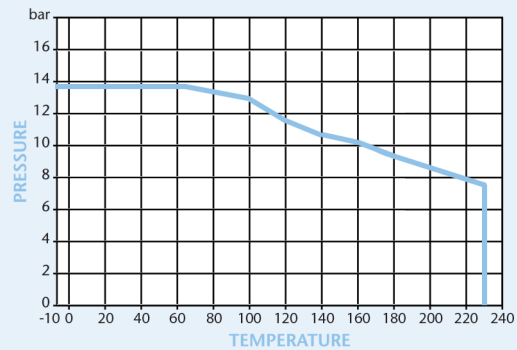
## ANSI Cast Iron Swing Check Valve

### Features

- Flanged ANSI 125 (B16.1)
- Class 125 Rated
- Conforms to ASME B16.10
- Conforms to MSS SP-71



### Pressure/Temperature



|     | 2"   | 2½"  | 3"   | 4"  | 5"   | 6"   | 8"    | 10"  | 12"  | 14"   | 16"  | 18" | 20"  | 24"  |
|-----|------|------|------|-----|------|------|-------|------|------|-------|------|-----|------|------|
| L   | 203  | 216  | 241  | 292 | 330  | 356  | 495   | 622  | 699  | 787   | 914  | 914 | 1016 | 1219 |
| D   | 152  | 178  | 190  | 229 | 254  | 279  | 343   | 406  | 483  | 533   | 597  | 635 | 699  | 813  |
| D1  | 121  | 140  | 153  | 191 | 216  | 241  | 299   | 362  | 432  | 476   | 540  | 578 | 635  | 750  |
| B   | 16   | 18   | 19   | 24  | 24   | 25   | 29    | 30   | 32   | 35    | 37   | 40  | 43   | 48   |
| n-d | 4-   | 4-   | 4-   | 8-  | 8-   | 8-   | 8-    | 12-  | 12-  | 12-   | 16-  | 16- | 20-  | 20-  |
|     | 19   | 19   | 19   | 19  | 22.2 | 22.2 | 22.2  | 25.4 | 25.4 | 28.6  | 28.6 | 32  | 32   | 35   |
| H   | 112  | 132  | 141  | 162 | 192  | 211  | 270   | 316  | 357  | 560   | 589  | 645 | 702  | 812  |
| Kgs | 11.6 | 17.5 | 21.4 | 37  | 56.2 | 72.4 | 122.7 | 201  | 291  | 418.5 | 520  | 656 | 832  | 1260 |

| N. | Part Name            | Materials                          |
|----|----------------------|------------------------------------|
| 1  | Body                 | Cast Iron - ASTM A 126-B           |
| 2  | Seat Ring            | Cast Bronze - ASTM B 62            |
| 3  | Disc Ring            | Cast Bronze - ASTM B 62            |
| 4  | Disc                 | Cast Iron - ASTM A 126-B           |
| 5  | Hanger               | Ductile Iron - ASTM A 536 65-45-12 |
| 6  | Washer               | Steel                              |
| 7  | Nut                  | Steel                              |
| 8  | Split Pin            | Stainless Steel - ASTM 304         |
| 9  | Disc Screw           | Steel                              |
| 10 | Side Pin             | Brass - ASTM B 16                  |
| 11 | Gasket               | Teflon                             |
| 12 | Hanger Pin           | Stainless Steel - ASTM 304         |
| 13 | Bonnet               | Cast Iron - ASTM A 126-B           |
| 14 | Gasket               | Graphite - Non-Asbestos            |
| 15 | Bolt                 | Steel - ASTM A 307-B               |
| 16 | Nut                  | Steel - ASTM A 563-B               |
| 17 | Identification Plate | Aluminium                          |
| 18 | Pin                  | Stainless Steel - ASTM 304         |

### Technical Data

Maximum Pressure 13.8 Bar  
 Working Temperature -10°C to +230°C

Dimensions in mm

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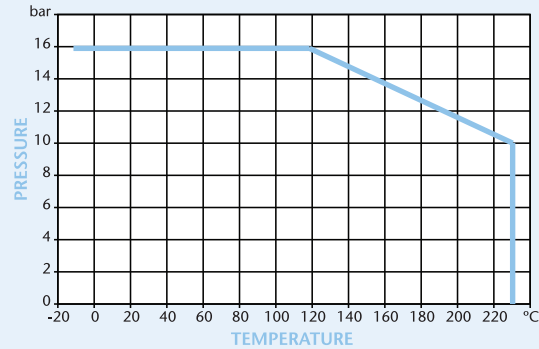
## PN16 Cast Iron Swing Check Valve

### Features

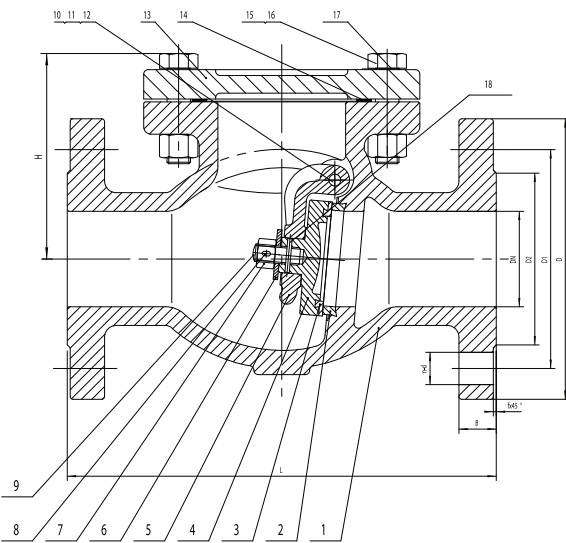
- Flange Mounting PN16 Only
- Flange conforms to BS EN1092 PN16
- BS5153 (BS EN 558-1 Series 10)



### Pressure/Temperature



| DN  | 50   | 65   | 80   | 100  | 125  | 150  | 200   | 250   | 300   | 350   | 400   | 450   | 500   | 600   |
|-----|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| L   | 203  | 216  | 241  | 292  | 330  | 356  | 495   | 622   | 699   | 787   | 914   | 914   | 1016  | 1219  |
| D   | 165  | 185  | 200  | 220  | 250  | 285  | 340   | 405   | 460   | 520   | 580   | 640   | 715   | 840   |
| D1  | 125  | 145  | 160  | 180  | 210  | 240  | 295   | 355   | 410   | 470   | 525   | 585   | 650   | 770   |
| D2  | 99   | 118  | 132  | 156  | 184  | 211  | 266   | 319   | 370   | 429   | 480   | 548   | 609   | 720   |
| B   | 20   | 20   | 22   | 24   | 26   | 26   | 30    | 32    | 32    | 36    | 38    | 40    | 42    | 48    |
| f   | 3    | 3    | 3    | 3    | 3    | 3    | 3     | 3     | 4     | 4     | 4     | 4     | 4     | 5     |
| n-d | 4-19 | 4-19 | 8-19 | 8-19 | 8-19 | 8-23 | 12-23 | 12-28 | 12-28 | 16-28 | 16-31 | 20-31 | 20-34 | 20-37 |
| H   | 112  | 132  | 141  | 162  | 192  | 211  | 270   | 316   | 357   | 560   | 589   | 645   | 702   | 812   |
| kgs | 11.6 | 17.5 | 21.4 | 37   | 56.2 | 72.4 | 123   | 201   | 291   | 419   | 520   | 656   | 832   | 1260  |



| N. | Part Name            | Materials                                   |
|----|----------------------|---|
| 1  | Body                 | Cast Iron - BS EN1561 EN-GJL-250            |
| 2  | Seat Ring            | Cast Bronze - BS1400 LG2                    |
| 3  | Disc Ring            | Cast Bronze - BS1400 LG2                    |
| 4  | Disc Ring            | Cast Iron - BS EN1561 EN-GJL-250            |
| 5  | Hanger               | Ductile Cast Iron - BS EN1563 EN-GJS-450-10 |
| 6  | Washer               | Steel - BS970 43A                           |
| 7  | Nut                  | Steel - BS970 43A                           |
| 8  | Split Pin            | Stainless Steel - BS970 304S15              |
| 9  | Disc Screw           | Steel - BS970 43A                           |
| 10 | Side Pin             | Brass - BS2874 CZ122                        |
| 11 | Gasket               | Soft Steel Cardboard                        |
| 12 | Hanger Pin           | Stainless Steel - BS970 304S15              |
| 13 | Bonnet               | Cast Iron - BS EN1561 EN-GJL-250            |
| 14 | Gasket               | Graphite                                    |
| 15 | Bolt                 | Steel - BS970 43A                           |
| 16 | Nut                  | Steel - BS970 43A                           |
| 17 | Identification Plate | Aluminium                                   |
| 18 | Pin                  | Stainless Steel - BS970 304S15              |

### Technical Data

Maximum Pressure 16 Bar  
 Working Temperature -10°C to +230°C

Dimensions in mm

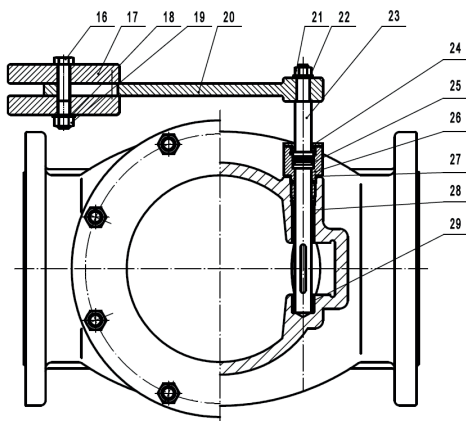
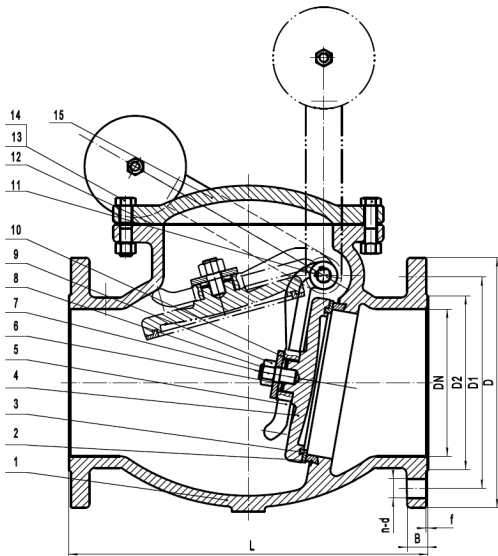
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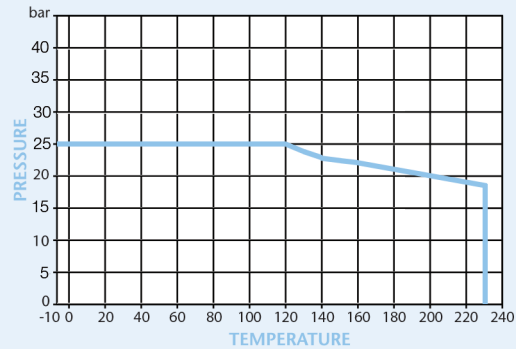
## PN25 Cast Iron Swing Check Valve, Lever & Weight

### Features

- Flange Mounting to PN25 Only
- Flange conforms to BS EN1092 PN25
- Conforms to BS5153 (BS EN558-1)



### Pressure/Temperature



|     | 50   | 65   | 80   | 100  | 125  | 150  | 200   | 250   | 300   |
|-----|------|------|------|------|------|------|-------|-------|-------|
| L   | 267  | 292  | 318  | 356  | 400  | 444  | 533   | 622   | 711   |
| D   | 165  | 185  | 200  | 235  | 270  | 300  | 360   | 425   | 485   |
| D1  | 125  | 145  | 160  | 190  | 220  | 250  | 310   | 370   | 430   |
| D2  | 99   | 118  | 132  | 156  | 185  | 211  | 274   | 330   | 389   |
| B   | 22   | 25   | 29   | 32   | 35   | 37   | 41    | 48    | 51    |
| f   | 3    | 3    | 3    | 3    | 3    | 3    | 3     | 3     | 4     |
| n-d | 4-19 | 8-19 | 8-19 | 8-23 | 8-28 | 8-28 | 12-28 | 12-31 | 16-31 |

| N. | Part Name        | Materials                      |
|----|------------------|--------------------------------|
| 1  | Body             | Cast Iron - BS1452 Gr.220      |
| 2  | Seat Ring        | Cast Bronze - BS1400 LG2       |
| 3  | Disc Ring        | Cast Bronze - BS1400 LG2       |
| 4  | Disc             | Cast Iron - BS1452 Gr.220      |
| 5  | Hanger           | Ductile Iron - BS2789 Gr500-7  |
| 6  | Pin              | Stainless Steel - BS970 304S15 |
| 7  | Split Pin        | Stainless Steel - BS970 304S15 |
| 8  | Disc Screw       | Steel - BS970 43A              |
| 9  | Nut              | Steel - BS970 43A              |
| 10 | Washer           | Steel - BS970 43A              |
| 11 | Bond             | Steel - BS970 43A              |
| 12 | Gasket           | Soft Steel Cardboard           |
| 13 | Bolt             | Steel - BS970 43A              |
| 14 | Nut              | Steel - BS970 43A              |
| 15 | Bonnet           | Cast Iron - BS1452 Gr.220      |
| 16 | Bolt             | Steel - BS970 43A              |
| 17 | Balance Weight   | Cast Iron - BS1452 Gr.220      |
| 18 | Washer           | Steel - BS970 43A              |
| 19 | Nut              | Steel - BS970 43A              |
| 20 | Connecting Lever | Ductile Iron - BS2789 Gr.500-7 |
| 21 | Nut              | Steel - BS970 43A              |
| 22 | Washer           | Steel - BS970 43A              |
| 23 | Hanger Axle      | Stainless Steel - BS970 304S15 |
| 24 | Gland Nut        | Brass - BS2874 CZ122           |
| 25 | Gland            | Brass - BS2874 CZ122           |
| 26 | O-Ring           | EPDM                           |
| 27 | Washer           | Teflon                         |
| 28 | Outside Bush     | Brass - BS2874 CZ122           |
| 29 | Inside Bush      | Brass - BS2874 CZ122           |

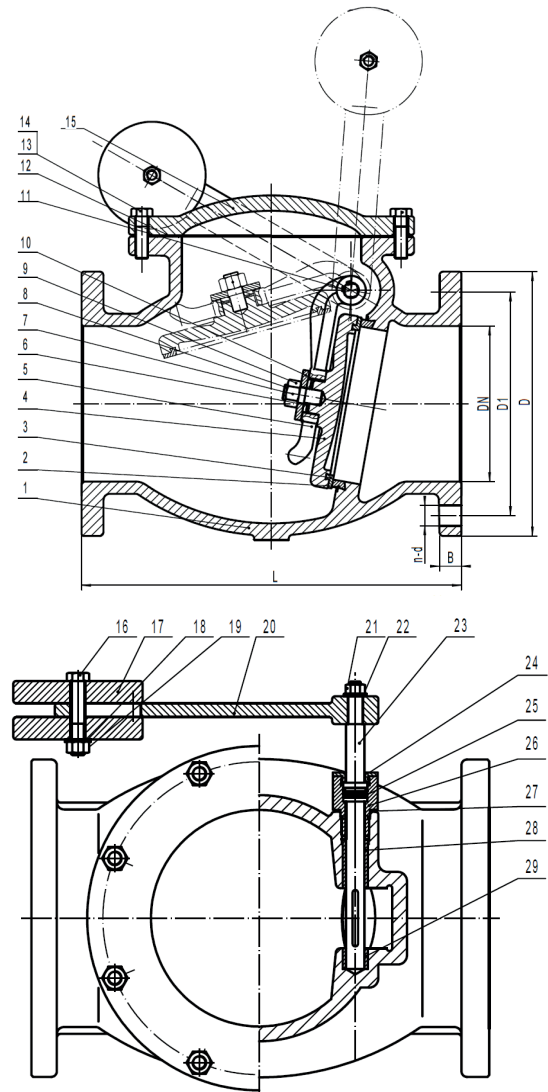
### Technical Data

Max Pressure 25 Bar  
 Working Temperature -10°C to +230°C

Dimensions in mm

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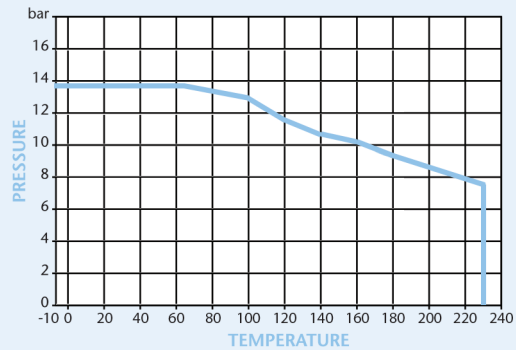
## ANSI Cast Iron Swing Check Valve, Lever & Weight



### Features

- Flanged ANSI 125 (B16.1)
- Class 125 Rated
- Conforms to ASME B16.10
- Conforms to MSS SP-71

### Pressure/Temperature



|     | 2"   | 2½"  | 3"   | 4"  | 5"  | 6"   | 8"    | 10" | 12" | 14" | 16" | 18" | 20"  | 24"   |
|-----|------|------|------|-----|-----|------|-------|-----|-----|-----|-----|-----|------|-------|
| L   | 203  | 216  | 241  | 292 | 330 | 356  | 495   | 622 | 699 | 787 | 914 | 914 | 1016 | 1219  |
| D   | 152  | 178  | 190  | 229 | 254 | 279  | 343   | 406 | 483 | 533 | 597 | 635 | 699  | 813   |
| D1  | 121  | 140  | 153  | 191 | 216 | 241  | 299   | 362 | 432 | 476 | 540 | 578 | 635  | 750   |
| B   | 16   | 18   | 19   | 24  | 24  | 25   | 29    | 30  | 32  | 35  | 37  | 40  | 43   | 48    |
| n-d | 4-   | 4-   | 4-   | 8-  | 8-  | 8-   | 8-    | 12- | 12- | 12- | 16- | 16- | 20-  | 20-35 |
| Kgs | 13.8 | 19.5 | 23.6 | 38  | 59  | 79.6 | 126.9 | 243 | 291 | 456 | 586 | 710 | 900  | 1350  |

| N. | Part Name        | Materials                  |
|----|------------------|----------------------------|
| 1  | Body             | Cast Iron - ASTM A 126-B   |
| 2  | Seat Ring        | Cast Bronze - ASTM B 62    |
| 3  | Disc Ring        | Cast Bronze - ASTM B 62    |
| 4  | Disc             | Cast Iron - ASTM A 126 B   |
| 5  | Hanger           | Ductile Iron - ASTM A536   |
| 6  | Pin              | Stainless Steel - ASTM 304 |
| 7  | Split Pin        | Stainless Steel - ASTM 304 |
| 8  | Disc Screw       | Steel                      |
| 9  | Nut              | Steel                      |
| 10 | Washer           | Steel                      |
| 11 | Bond             | Steel                      |
| 12 | Gasket           | Teflon                     |
| 13 | Bolt             | Steel                      |
| 14 | Nut              | Steel                      |
| 15 | Bonnet           | Cast Iron - ASTM A 126-B   |
| 16 | Bolt             | Steel                      |
| 17 | Balance Weight   | Cast Iron - ASTM A 126-B   |
| 18 | Washer           | Steel                      |
| 19 | Nut              | Steel                      |
| 20 | Connecting Lever | Ductile Iron - ASTM A536   |
| 21 | Nut              | Steel                      |
| 22 | Washer           | Steel                      |
| 23 | Hanger Axle      | Stainless Steel - ASTM 304 |
| 24 | Gland            | Brass - ASTM B 16          |
| 25 | O-Ring           | EPDM                       |
| 26 | Stuffing Box     | Brass - ASTM B 16          |
| 27 | Washer           | Teflon                     |
| 28 | Outside Bush     | Brass - ASTM B 16          |
| 29 | Inside Bush      | Brass - ASTM B 16          |

### Technical Data

|                     |                 |
|---------------------|-----------------|
| Max Pressure        | 13.8 Bar        |
| Working Temperature | -10°C to +230°C |

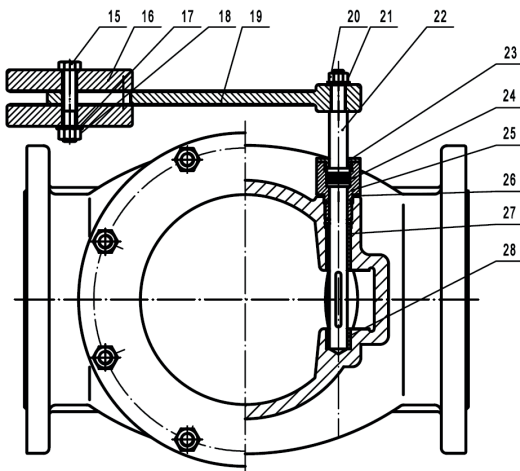
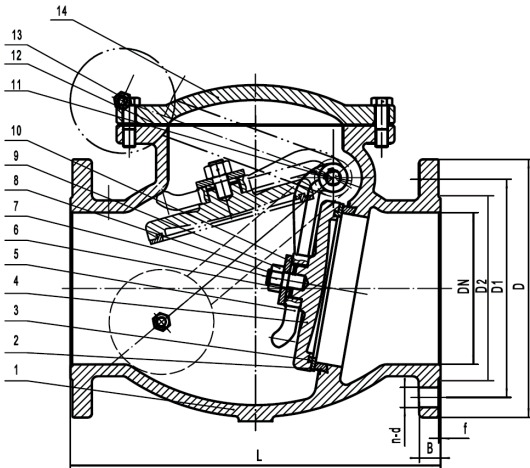
Dimensions in mm

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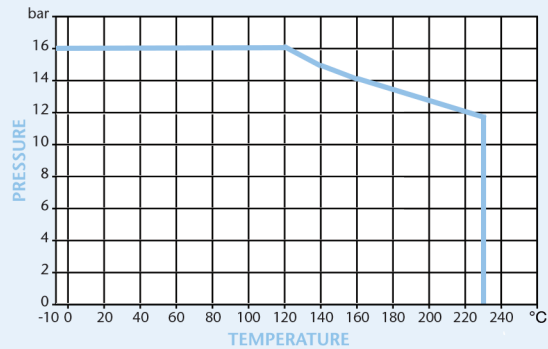
## PN16 Cast Iron Swing Check Valve, Lever & Weight

### Features

- Flange Mounting PN16 Only
- Flange conforms to BS EN1092 PN16
- Conforms to BS EN12334
- Sizes DN50-400 conform to BS 5153 (BS EN558-1 Series 10)



### Pressure/Temperature



|     | 50   | 65   | 80   | 100  | 125  | 150  | 200   | 250   | 300   | 350   | 400   | 450   | 500   | 600   |
|-----|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| L   | 203  | 216  | 241  | 292  | 330  | 356  | 495   | 622   | 699   | 787   | 914   | 914   | 1016  | 1219  |
| D   | 165  | 185  | 200  | 220  | 250  | 285  | 340   | 405   | 460   | 520   | 580   | 640   | 715   | 840   |
| D1  | 125  | 145  | 160  | 180  | 210  | 240  | 295   | 355   | 410   | 470   | 525   | 585   | 650   | 770   |
| D2  | 99   | 118  | 132  | 156  | 184  | 211  | 266   | 319   | 3780  | 429   | 480   | 548   | 609   | 720   |
| B   | 20   | 20   | 22   | 24   | 26   | 26   | 30    | 32    | 32    | 36    | 38    | 40    | 42    | 48    |
| n-d | 4-19 | 4-19 | 8-19 | 8-19 | 8-19 | 8-23 | 12-23 | 12-28 | 12-28 | 16-28 | 16-31 | 20-31 | 20-34 | 20-37 |
| f   | 3    | 3    | 3    | 3    | 3    | 3    | 3     | 3     | 4     | 4     | 4     | 4     | 4     | 5     |
| Kgs | 13.8 | 19.5 | 23.6 | 38   | 59   | 79.6 | 126.9 | 243   | 291   | 456   | 586   | 710   | 900   | 1350  |

| N. | Part Name        | Materials                              |
|----|------------------|--|
| 1  | Body             | Cast Iron - BS EN1561 EN-GJL-250       |
| 2  | Seat Ring        | Cast Bronze - BS1400 LG2               |
| 3  | Disc Ring        | Cast Bronze - BS1400 LG2               |
| 4  | Disc             | Cast Iron - BS EN1561 EN-GJL-250       |
| 5  | Hanger           | Ductile Iron - BS EN1563 EN-GJS-450-10 |
| 6  | Pin              | Stainless Steel - BS970 304S15         |
| 7  | Split Pin        | Stainless Steel - BS970 304S15         |
| 8  | Disc Screw       | Steel - BS970 43A                      |
| 9  | Nut              | Steel - BS970 43A                      |
| 10 | Washer           | Steel - BS970 43A                      |
| 11 | Bond             | Steel - BS970 43A                      |
| 12 | Gasket           | Graphite                               |
| 13 | Bolt             | Steel - BS970 43A                      |
| 14 | Bonnet           | Cast Iron - BS EN1561 EN-GJL-250       |
| 15 | Bolt             | Steel - BS970 43A                      |
| 16 | Balance Weight   | Cast Iron - BS EN1561 EN-GJL-250       |
| 17 | Washer           | Steel - BS970 43A                      |
| 18 | Nut              | Steel - BS970 43A                      |
| 19 | Connecting Lever | Ductile Iron - BS EN1563 EN-GJS-450-10 |
| 20 | Nut              | Steel - BS970 43A                      |
| 21 | Washer           | Steel - BS970 43A                      |
| 22 | Hanger Axle      | Stainless Steel - BS970 304S15         |
| 23 | Gland Nut        | Brass - BS2874 CZ122                   |
| 24 | O-Ring           | EPDM - BSEN681-1 IRHD66-75             |
| 25 | Stuffing Box     | Brass - BS2874 CZ122                   |
| 26 | Washer           | Teflon                                 |
| 27 | Outside Bush     | Brass - BS2874 CZ122                   |
| 28 | Inside Bush      | Brass - BS2874 CZ122                   |

### Technical Data

|                     |                 |
|---------------------|-----------------|
| Max Pressure        | 16 Bar          |
| Working Temperature | -10°C to +230°C |

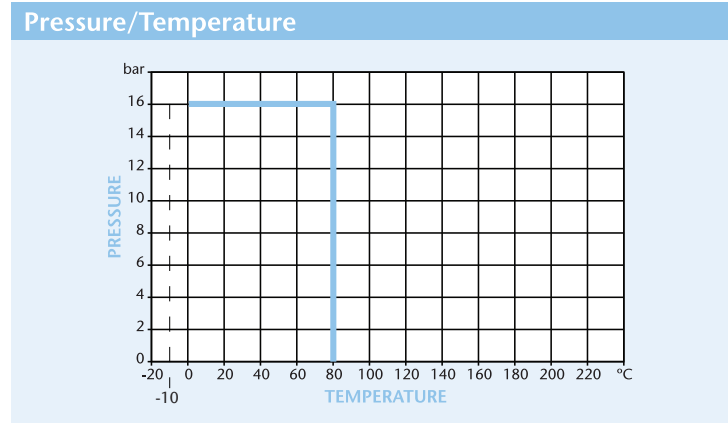
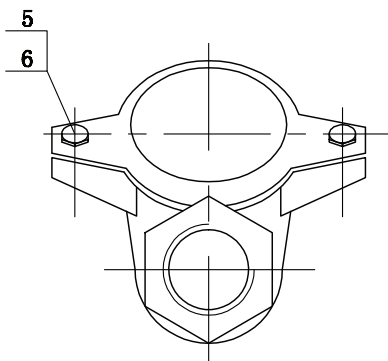
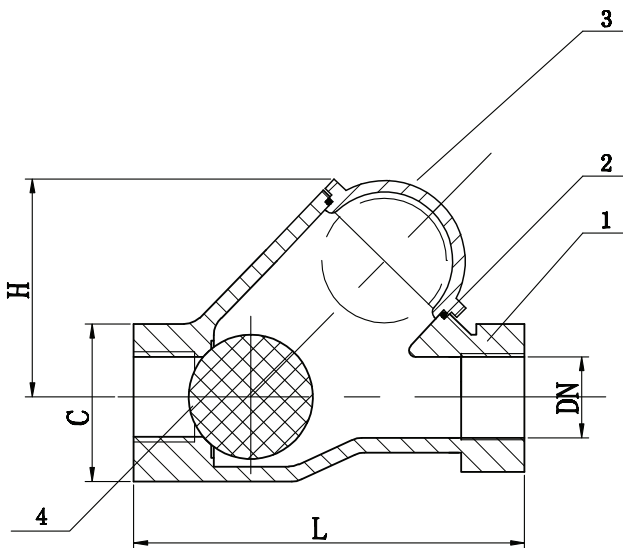
Dimensions in mm

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## PN16 Ductile Iron Ball Check Valve

### Features

- Screwed BSP Parallel (ISO 228/1)
- Epoxy Coat Finish



| DN | L   | C   | H   | Kgs   |
|----|-----|-----|-----|-------|
| 25 | 125 | 47  | 75  | 1.33  |
| 32 | 132 | 59  | 75  | 1.71  |
| 40 | 145 | 70  | 85  | 1.71  |
| 50 | 174 | 82  | 126 | 4.16  |
| 65 | 200 | 106 | 113 | 5.46  |
| 80 | 243 | 132 | 165 | 10.00 |

### Technical Data

Maximum Pressure 16 Bar  
 Working Temperature: 0°C to +80°C

Dimensions in mm

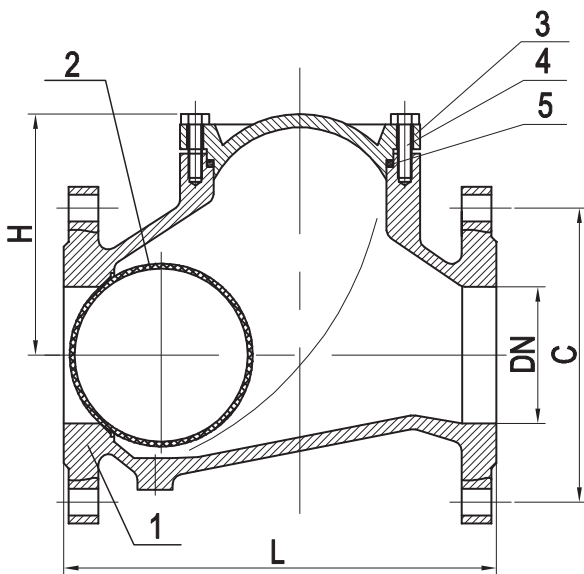
This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

| N | Part Name | Material     |
|---|-----------|--------------|
| 1 | Body      | Ductile Iron |
| 2 | Gasket    | NBR          |
| 3 | Cap       | Ductile Iron |
| 4 | Ball      | NBR          |
| 5 | Bolt      | Steel        |
| 6 | Nut       | Steel        |

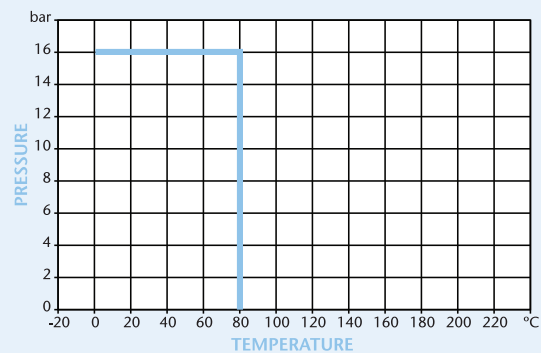
## PN16 Ductile Iron Ball Check Valve

### Features

- Flanged Mounting PN16 Only
- Valve Design According to EN12334
- DIN3202 Face-to-Face
- Epoxy Coat Finish



### Pressure/Temperature



| DN  | L   | C   | H   | Kgs   |
|-----|-----|-----|-----|-------|
| 50  | 200 | 106 | 125 | 7.7   |
| 65  | 240 | 129 | 145 | 11.2  |
| 80  | 260 | 146 | 160 | 15.4  |
| 100 | 300 | 194 | 180 | 21.7  |
| 125 | 350 | 207 | 210 | 33.0  |
| 150 | 400 | 240 | 240 | 45.3  |
| 200 | 500 | 322 | 295 | 90.42 |
| 250 | 600 | 388 | 355 | 163.0 |
| 300 | 700 | 458 | 410 | 230.0 |

### Technical Data

Maximum Pressure 16 Bar  
 Working Temperature: 0°C to +80°C

Dimensions in mm

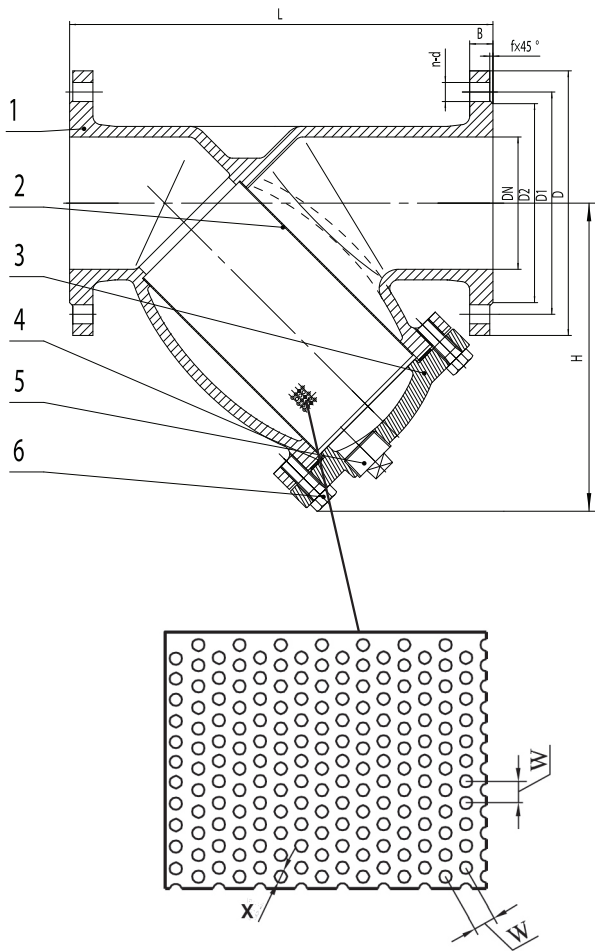
This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

| N | Part Name | Material         |
|---|-----------|------------------|
| 1 | Body      | Ductile Iron     |
| 2 | Ball      | Metal NBR Coated |
| 3 | Cap       | Ductile Iron     |
| 4 | Bolt      | Steel            |
| 5 | Gasket    | NBR              |

## PN16 Cast Iron "Y" Strainer

### Features

- Flange Mounting PN16 Only
- Flange conforms to BS EN1092 PN16
- BS EN 558-1 Series 1
- DN50 & DN65 Square Drain Port
- DN80 - DN600 Circular Drain Port



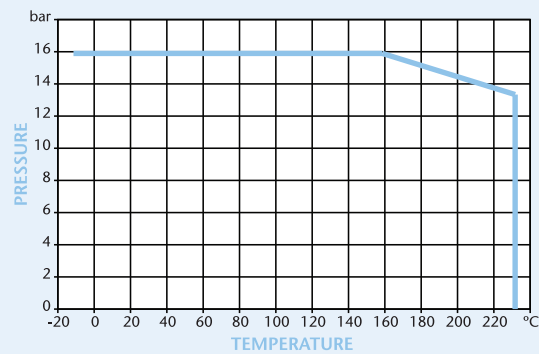
### Technical Data

Maximum Pressure 16 Bar  
 Working Temperature -10°C to +230°C

Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

### Pressure/Temperature



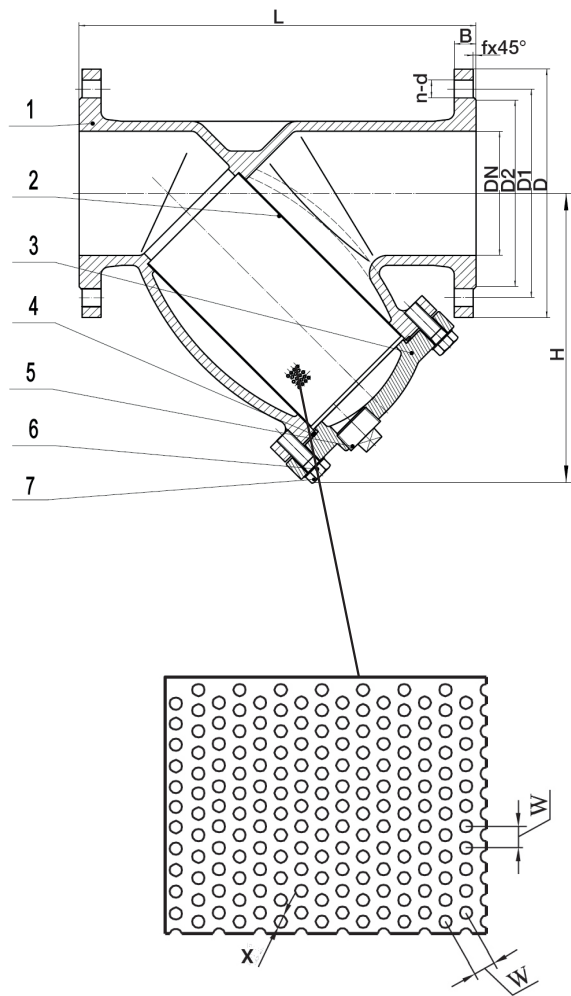
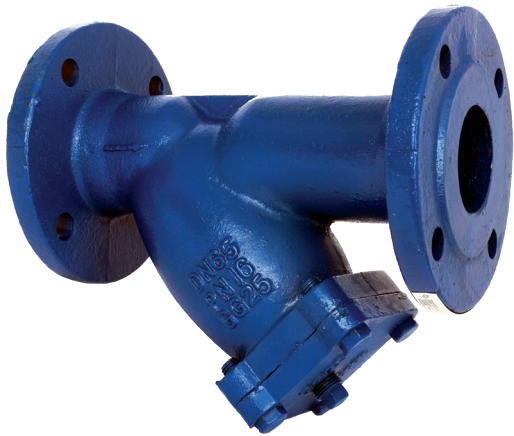
| DN  | 50   | 65   | 80   | 100  | 125  | 150  | 200   | 250   | 300   | 350   | 400   | 450   | 500   | 600   |
|-----|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| L   | 230  | 290  | 310  | 350  | 400  | 480  | 600   | 730   | 850   | 980   | 1100  | 1200  | 1250  | 1450  |
| D   | 165  | 185  | 200  | 220  | 250  | 285  | 340   | 405   | 460   | 520   | 580   | 640   | 715   | 840   |
| D1  | 125  | 145  | 160  | 180  | 210  | 240  | 295   | 355   | 410   | 470   | 525   | 585   | 650   | 770   |
| D2  | 99   | 118  | 132  | 156  | 184  | 211  | 266   | 319   | 370   | 438   | 490   | 548   | 609   | 720   |
| B   | 20   | 20   | 22   | 24   | 26   | 26   | 30    | 32    | 32    | 36    | 38    | 40    | 42    | 48    |
| f   | 3    | 3    | 3    | 3    | 3    | 3    | 3     | 3     | 4     | 4     | 4     | 4     | 4     | 5     |
| n-d | 4-19 | 4-19 | 8-19 | 8-19 | 8-19 | 8-23 | 12-23 | 12-28 | 12-28 | 16-28 | 16-31 | 20-31 | 20-34 | 20-37 |
| H   | 156  | 176  | 199  | 240  | 292  | 320  | 399   | 516   | 568   | 648   | 759   | 777   | 825   | 944   |
| X   | 1.5  | 1.5  | 1.5  | 1.5  | 1.5  | 1.5  | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   |
| W   | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5   | 2.5   | 2.5   | 2.5   | 2.5   | 2.5   | 2.5   | 2.5   |
| kgs | 10.1 | 14   | 20.3 | 26.6 | 39.8 | 57   | 97    | 164   | 234   | 312   | 444   | 560   | 652   | 1072  |

| N. | Part Name  | Materials                       |
|----|------------|---------------------------------|
| 1  | Body       | Cast Iron - BS EN1561 EN-GJL250 |
| 2  | Screen     | Stainless Steel - BS970 304S15  |
| 3  | Bonnet     | Cast Iron - BS EN1561 EN-GJL250 |
| 4  | Gasket     | Graphite                        |
| 5  | Screw Plug | Cast Brass - BS2874 CZ122       |
| 6  | Bolt       | Steel - BS970 43A               |

## PN16 Cast Iron "Y" Strainer

### Features

- Flange Mounting PN16 Only
- BS EN 558-1 Series 1
- DN50 & DN65 Square Drain Port
- DN80 - DN600 Circular Drain Port
- Fusion Bonded Epoxy Coat Finish
- DN50 - DN300 WRAS Approved
- DN350 - DN600 WRAS Approved Coating



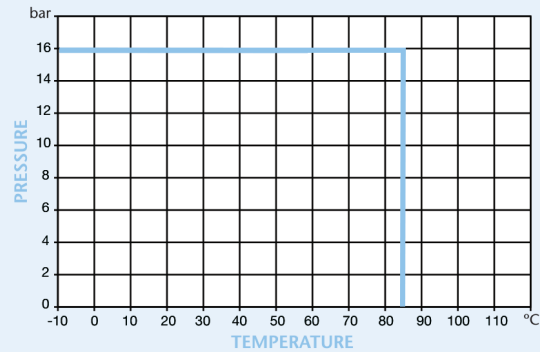
### Technical Data

Maximum Pressure 16 Bar  
 Working Temperature -10°C to +85°C

Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

### Pressure/Temperature



| DN  | 50   | 65   | 80   | 100  | 125  | 150  | 200   | 250   | 300   | 350   | 400   | 450   | 500   | 600   |
|-----|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| L   | 230  | 290  | 310  | 350  | 400  | 480  | 600   | 730   | 850   | 980   | 1100  | 1200  | 1250  | 1450  |
| D   | 165  | 185  | 200  | 220  | 250  | 285  | 340   | 405   | 460   | 520   | 580   | 640   | 715   | 840   |
| D1  | 125  | 145  | 160  | 180  | 210  | 240  | 295   | 355   | 410   | 470   | 525   | 585   | 650   | 770   |
| D2  | 99   | 118  | 132  | 156  | 184  | 211  | 266   | 319   | 370   | 429   | 480   | 548   | 609   | 720   |
| B   | 20   | 20   | 22   | 24   | 26   | 26   | 30    | 32    | 32    | 36    | 38    | 40    | 42    | 48    |
| f   | 3    | 3    | 3    | 3    | 3    | 3    | 3     | 3     | 4     | 4     | 4     | 4     | 4     | 5     |
| n-d | 4-19 | 4-19 | 8-19 | 8-19 | 8-19 | 8-23 | 12-23 | 12-28 | 12-28 | 16-28 | 16-31 | 20-31 | 20-34 | 20-37 |
| H   | 158  | 176  | 199  | 240  | 292  | 320  | 399   | 517   | 568   | 642   | 750   | 784   | 857   | 980   |
| X   | 1.5  | 1.5  | 1.5  | 1.5  | 1.5  | 1.5  | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   |
| W   | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5   | 2.5   | 2.5   | 2.5   | 2.5   | 2.5   | 2.5   | 2.5   |
| kgs | 10.1 | 14   | 20.3 | 26.6 | 39.8 | 57   | 97    | 164   | 234   | 312   | 442   | 560   | 652   | 1072  |

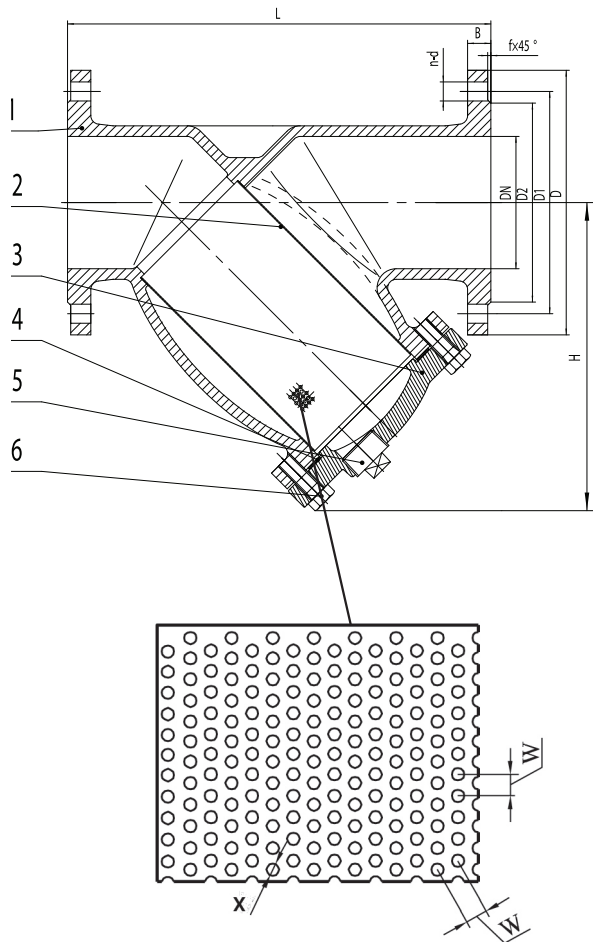
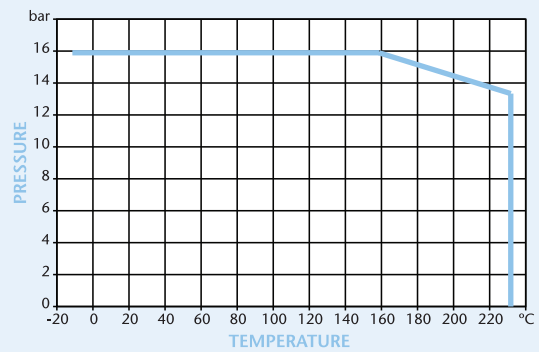
| N. | Part Name  | Materials                       |
|----|------------|---------------------------------|
| 1  | Body       | Cast Iron - BS EN1561 EN-GJL250 |
| 2  | Screen     | Stainless Steel - BS970 304S15  |
| 3  | Bonnet     | Cast Iron - BS EN1561 EN-GJL250 |
| 4  | Gasket     | EPDM                            |
| 5  | Screw Plug | Cast Brass - BS2874 CZ122       |
| 6  | Bolt       | Stainless Steel                 |
| 7  | Washer     | Stainless Steel                 |

## ANSI 150 Cast Iron "Y" Strainer

### Features

- Flanged ANSI 150 (B16.5)
- Class 150 Rated
- Conforms to ASME B16.10

### Pressure/Temperature



|            | 2"   | 2½"  | 3"    | 4"    | 5"     | 6"     | 8"     | 10"     | 12"     | 14"     | 16"     | 18"   | 20"   | 24"   |
|------------|------|------|-------|-------|--------|--------|--------|---------|---------|---------|---------|-------|-------|-------|
| <b>L</b>   | 230  | 290  | 310   | 350   | 400    | 480    | 600    | 730     | 850     | 980     | 1100    | 1200  | 1250  | 1450  |
| <b>D</b>   | 165  | 185  | 200   | 228.6 | 250    | 285    | 340    | 405     | 483     | 533.4   | 597     | 640   | 715   | 840   |
| <b>D1</b>  | 121  | 140  | 152.5 | 190.5 | 215.9  | 241.3  | 298.5  | 362     | 432     | 476.3   | 539.8   | 578   | 635   | 749.5 |
| <b>D2</b>  | 92   | 105  | 127   | 156   | 184    | 211    | 266    | 319     | 370     | 413     | 470     | 533   | 584   | 692   |
| <b>B</b>   | 20   | 20   | 22    | 24    | 26     | 26     | 30     | 32      | 32      | 36      | 38      | 40    | 42    | 48    |
| <b>f</b>   | 1.6  | 1.6  | 1.6   | 1.6   | 1.6    | 1.6    | 1.6    | 1.6     | 1.6     | 1.6     | 1.6     | 1.6   | 1.6   | 1.6   |
| <b>n-d</b> | 4-19 | 4-19 | 4-19  | 8-19  | 8-22.2 | 8-22.2 | 8-25.4 | 12-25.4 | 12-28.6 | 12-28.6 | 16-28.6 | 16-32 | 20-32 | 20-35 |
| <b>H</b>   | 156  | 176  | 199   | 240   | 292    | 320    | 399    | 516     | 568     | 648     | 759     | 777   | 825   | 944   |
| <b>X</b>   | 1.5  | 1.5  | 1.5   | 1.5   | 1.5    | 1.5    | 1.5    | 1.5     | 1.5     | 1.5     | 1.5     | 1.5   | 1.5   | 1.5   |
| <b>W</b>   | 2.5  | 2.5  | 2.5   | 2.5   | 2.5    | 2.5    | 2.5    | 2.5     | 2.5     | 2.5     | 2.5     | 2.5   | 2.5   | 2.5   |
| <b>Kgs</b> | 10.1 | 14   | 20.3  | 26.6  | 39.8   | 57     | 97     | 164     | 234     | 312     | 444     | 560   | 652   | 1072  |

### Technical Data

Maximum Pressure 16 Bar  
 Working Temperature -10°C to +232°C

Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

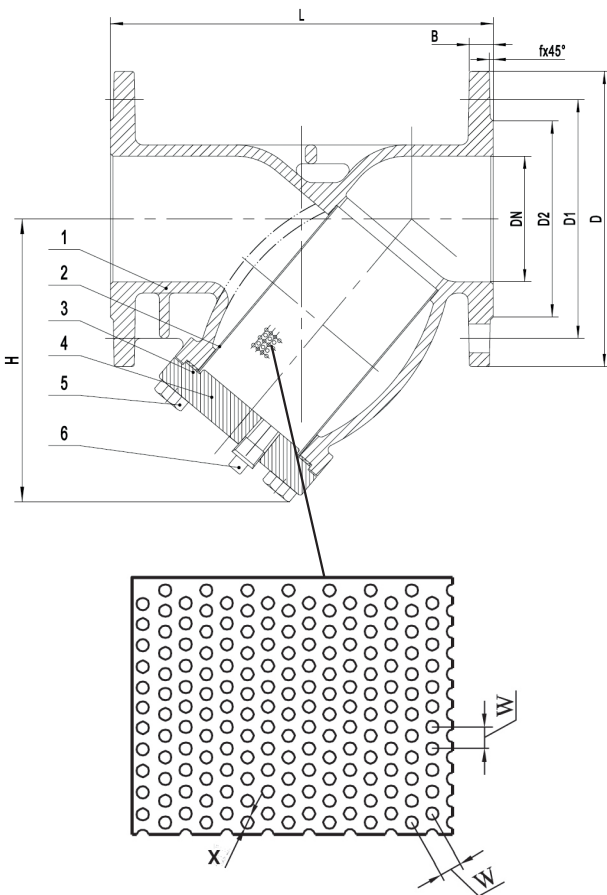
| N. | Part Name  | Materials                |
|----|------------|--------------------------|
| 1  | Body       | Cast Iron - ASTM A 126-B |
| 2  | Screen     | Stainless Steel - 304    |
| 3  | Bonnet     | Cast Iron - ASTM A 126-B |
| 4  | Gasket     | Graphite                 |
| 5  | Screw Plug | Cast Brass - ASTM B 16   |
| 6  | Bolt       | Steel                    |



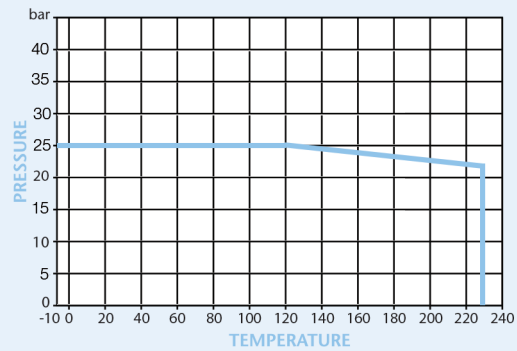
## PN25 Ductile Iron "Y" Strainer

### Features

- Flange Mounting PN25 Only
- Flange conforms to BS EN1092 PN25
- Conforms to BS EN558-1 Series 1



### Pressure/Temperature



|     | 2"   | 2½"  | 3"   | 4"   | 5"   | 6"   | 8"    | 10"   | 12"   | 14"   | 16"   | 18"   | 20"   | 24"   |
|-----|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| L   | 230  | 290  | 310  | 350  | 400  | 480  | 600   | 730   | 850   | 980   | 1100  | 1200  | 1250  | 1450  |
| D   | 165  | 185  | 200  | 235  | 270  | 300  | 360   | 425   | 485   | 555   | 620   | 670   | 730   | 845   |
| D1  | 125  | 145  | 160  | 190  | 220  | 250  | 310   | 370   | 430   | 490   | 550   | 600   | 660   | 770   |
| D2  | 99   | 118  | 132  | 156  | 184  | 211  | 274   | 330   | 389   | 448   | 503   | 548   | 609   | 720   |
| B   | 19   | 19   | 19   | 19   | 19   | 20   | 22    | 24.5  | 27.5  | 30    | 32    | 34.5  | 36.5  | 42    |
| f   | 3    | 3    | 3    | 3    | 3    | 3    | 3     | 3     | 4     | 4     | 4     | 4     | 4     | 5     |
| n-d | 4-19 | 8-19 | 8-19 | 8-23 | 8-28 | 8-28 | 12-28 | 12-31 | 16-31 | 16-34 | 16-37 | 20-37 | 20-37 | 20-41 |
| H   | 143  | 165  | 195  | 226  | 272  | 317  | 372   | 457   | 550   | 648   | 760   | 795   | 862   | 985   |
| X   | 1.5  | 1.5  | 1.5  | 1.5  | 1.5  | 1.5  | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   | 1.5   |
| W   | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5  | 2.5   | 2.5   | 2.5   | 2.5   | 2.5   | 2.5   | 2.5   | 2.5   |
| Kgs | 9.3  | 12.4 | 15.3 | 26   | 32   | 46   | 70    | 122   | 172   | 335   | 479   | 523   | 658   | 1050  |

### Technical Data

Maximum Pressure 25 Bar  
 Working Temperature -10°C to +230°C

| N. | Part Name  | Materials                        |
|----|------------|----------------------------------|
| 1  | Body       | Ductile Iron - BS1563 EN-GJS-450 |
| 2  | Screen     | Stainless Steel - BS970 304S15   |
| 3  | Bonnet     | Ductile Iron - BS1563 EN-GJS-450 |
| 4  | Gasket     | Non-Asbestos / EPDM              |
| 5  | Bolt       | Steel - BS970 43A                |
| 6  | Screw Plug | Stainless Steel - BS970 304S15   |

Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

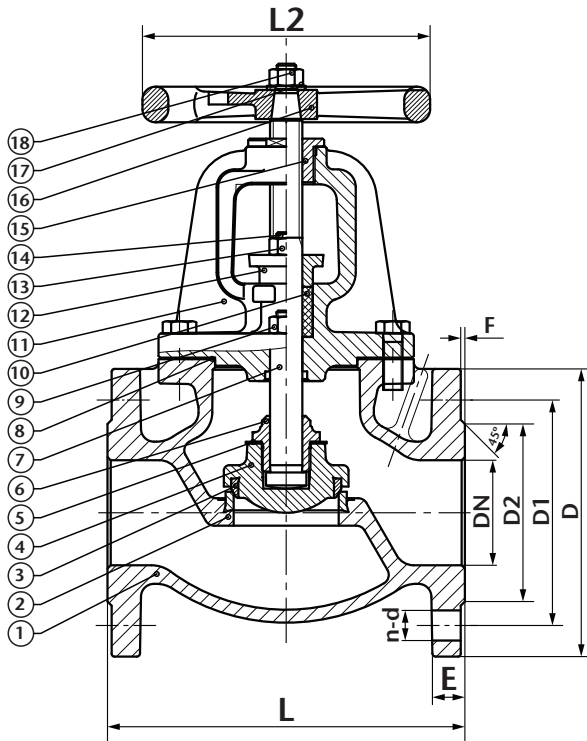
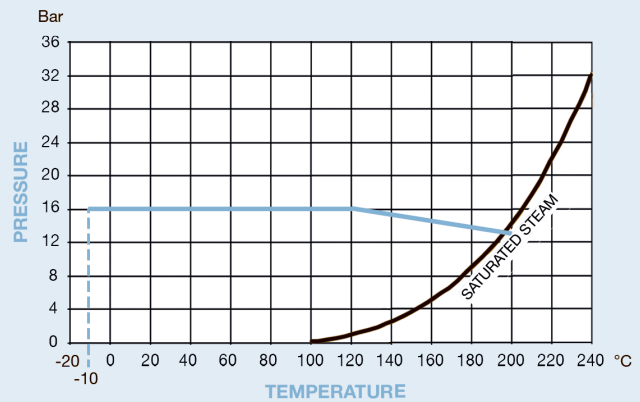
## PN16 Cast Iron Globe Valve

### Features

- Flange Mounting PN16 Only
- BS EN558-1 Series 10
- Conforms to BS5152



### PRESSURE / TEMPERATURE



| Technical Data      |                 |
|---------------------|-----------------|
| Max Pressure        | 16 Bar          |
| Working Temperature | -10°C to +200°C |

Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

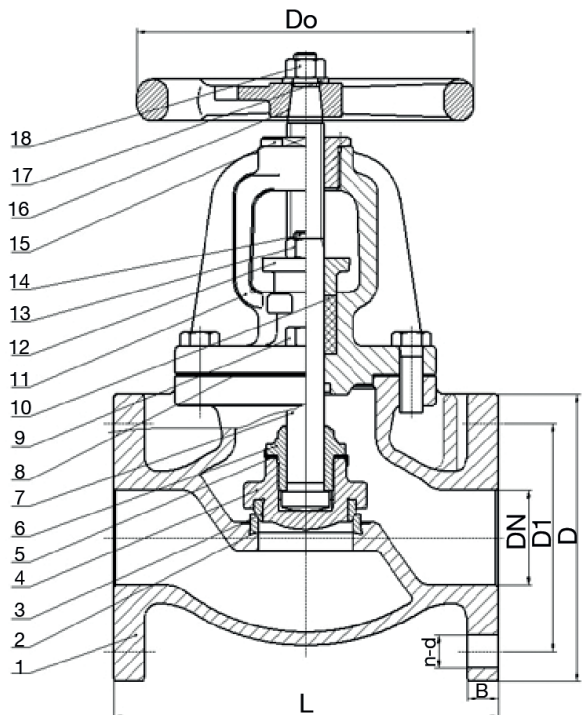
| DN  | 50   | 65   | 80   | 100  | 125  | 150  | 200   | 250   | 300   |
|-----|------|------|------|------|------|------|-------|-------|-------|
| D   | 165  | 185  | 200  | 220  | 250  | 285  | 340   | 405   | 460   |
| D1  | 125  | 145  | 160  | 180  | 210  | 240  | 295   | 355   | 410   |
| D2  | 99   | 118  | 132  | 156  | 184  | 211  | 266   | 319   | 370   |
| E   | 20   | 17.5 | 19.1 | 23.9 | 23.9 | 25.4 | 28.6  | 30.2  | 31.8  |
| F   | 3    | 3    | 3    | 3    | 3    | 3    | 3     | 3     | 4     |
| L   | 203  | 216  | 241  | 292  | 330  | 356  | 495   | 622   | 698   |
| L2  | 178  | 178  | 200  | 254  | 300  | 300  | 348   | 400   | 457   |
| n-d | 4-19 | 4-19 | 8-19 | 8-19 | 8-19 | 8-23 | 12-23 | 12-28 | 12-28 |

| N. | Part Name     | Materials           |
|----|---------------|---------------------|
| 1  | Body          | Cast Iron           |
| 2  | Body Ring     | Cast Bronze         |
| 3  | Disc Ring     | Cast Bronze         |
| 4  | Disc          | Cast Iron           |
| 5  | Stop Washer   | Stainless Steel 304 |
| 6  | Nut           | Cast Brass          |
| 7  | Stem          | Stainless Steel     |
| 8  | Flange Gasket | Graphite            |
| 9  | Bolt          | Cast Iron           |
| 10 | Packing       | Graphite            |
| 11 | Bonnet        | Cast Iron           |
| 12 | Gland         | Ductile Iron        |
| 13 | Nut           | Steel               |
| 14 | Bolt          | Steel               |
| 15 | Stem Nut      | Cast Brass          |
| 16 | Handwheel     | Cast Iron           |
| 17 | Washer        | Steel               |
| 18 | Nut           | Steel               |

## ANSI 125 Cast Iron Globe Valve

### Features

- Flanged ANSI 125 (B16.1)
- Class 125 Rated
- OSY rising stem
- Conforms to ASME B16.10 & MSS SP-85

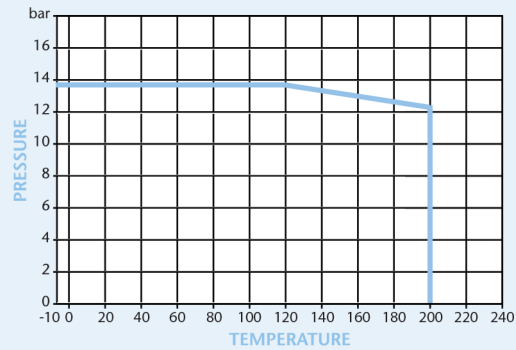


| Technical Data      |                 |
|---------------------|-----------------|
| Max Pressure        | 13.8 Bar        |
| Working Temperature | -10°C to +200°C |

Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

### Pressure/Temperature



|     | 2"     | 2½"    | 3"     | 4"     | 5"     | 6"     | 8"     | 10"     | 12"     |
|-----|--------|--------|--------|--------|--------|--------|--------|---------|---------|
| L   | 203    | 216    | 241    | 292    | 330    | 356    | 495    | 622     | 699     |
| D   | 152    | 178    | 190    | 229    | 254    | 279    | 343    | 406     | 483     |
| D1  | 121    | 140    | 153    | 191    | 216    | 242    | 299    | 362     | 432     |
| B   | 16     | 18     | 19     | 24     | 24     | 25     | 29     | 30      | 32      |
| n-d | 4 - 19 | 4 - 19 | 4 - 19 | 8 - 19 | 8 - 22 | 8 - 22 | 8 - 22 | 12 - 25 | 12 - 25 |
| Do  | 178    | 178    | 200    | 254    | 300    | 300    | 348    | 400     | 457     |
| Kgs | 15.6   | 21.5   | 30.9   | 46.8   | 68.4   | 92.6   | 157    | 219     | 302     |

| N. | Part Name      | Materials                         |
|----|----------------|-----------------------------------|
| 1  | Body           | Cast Iron - ASTM A 126-B          |
| 2  | Body Seat Ring | Cast Bronze - ASTM B 62           |
| 3  | Disc Seat Ring | Cast Bronze - ASTM B 62           |
| 4  | Disc           | Cast Iron - ASTM A 126-B          |
| 5  | Washer         | Stainless Steel - ASTM 304        |
| 6  | Disc Nut       | Cast Brass - Mn-Brass             |
| 7  | Stem           | Brass - ASTM B 16                 |
| 8  | Gasket         | Graphite - Non-Asbestos           |
| 9  | Bolt           | Steel - ASTM A 307-B              |
| 10 | Packing        | Graphite - Non-Asbestos           |
| 11 | Bonnet         | Cast Iron - ASTM A 126-B          |
| 12 | Packing Gland  | Ductile Iron - ASTM A536 65-45-12 |
| 13 | Nut            | Steel                             |
| 14 | Bolt           | Steel                             |
| 15 | Stem Nut       | Cast Brass - Mn-Brass             |
| 16 | Handwheel      | Cast Iron - ASTM A 126-B          |
| 17 | Washer         | Steel                             |
| 18 | Nut            | Steel - ASTM A 563-B              |

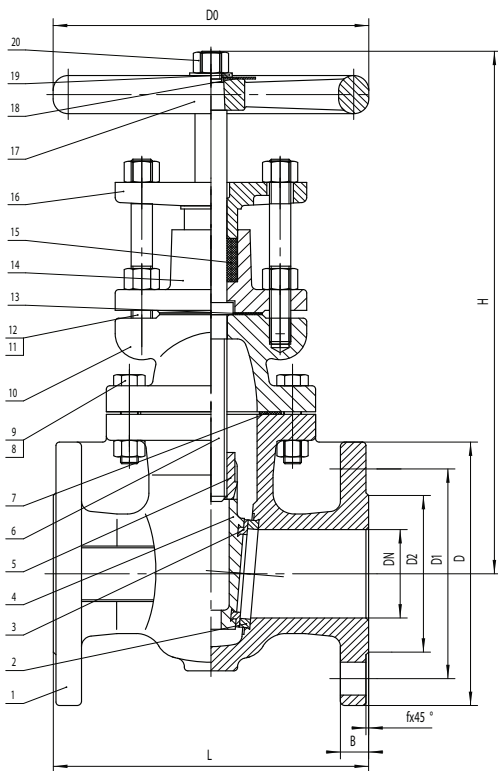
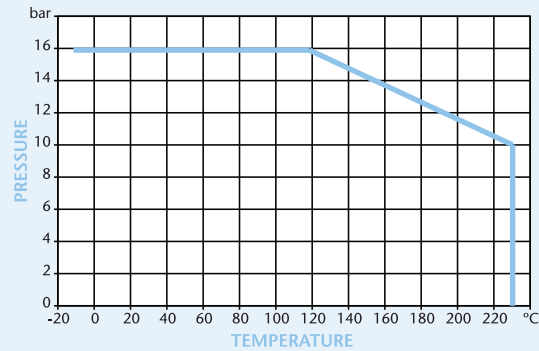
## PN16 Cast Iron Gate Valve

### Features

- Flange Mounting PN16 Only
- BS5150 (BS EN 558-1 Series 3)
- Non Rising Stem



### Pressure/Temperature



| DN  | 50   | 65   | 80   | 100  | 125  | 150  | 200   | 250   | 300   | 350   | 400   | 450   | 500   | 600   |
|-----|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| L   | 178  | 190  | 203  | 229  | 254  | 267  | 292   | 330   | 356   | 381   | 406   | 432   | 457   | 508   |
| D   | 165  | 185  | 200  | 220  | 250  | 285  | 340   | 405   | 460   | 520   | 580   | 640   | 715   | 840   |
| D1  | 125  | 145  | 160  | 180  | 210  | 240  | 295   | 355   | 410   | 470   | 525   | 585   | 650   | 770   |
| D2  | 99   | 118  | 132  | 156  | 184  | 211  | 266   | 319   | 370   | 429   | 480   | 548   | 609   | 720   |
| B   | 20   | 20   | 22   | 24   | 26   | 26   | 30    | 32    | 32    | 36    | 38    | 40    | 42    | 48    |
| f   | 3    | 3    | 3    | 3    | 3    | 3    | 3     | 3     | 4     | 4     | 4     | 4     | 4     | 5     |
| n-d | 4-19 | 4-19 | 8-19 | 8-19 | 8-19 | 8-23 | 12-23 | 12-28 | 12-28 | 16-28 | 16-31 | 20-31 | 20-34 | 20-37 |
| H   | 302  | 332  | 335  | 423  | 485  | 545  | 644   | 769   | 860   | 987   | 1044  | 1148  | 1257  | 1418  |
| kgs | 16.5 | 21.6 | 26.5 | 47.2 | 68   | 87   | 118   | 197   | 275   | 370   | 460   | 635   | 800   | 1135  |

| N. | Part Name           | Materials                              |
|----|---------------------|--|
| 1  | Body                | Cast Iron - BS EN1561 EN-GJL-250       |
| 2  | Body Sealed Ring    | Cast Bronze - BS1400 LG2               |
| 3  | Wedge Sealed Ring   | Cast Bronze - BS1400 LG2               |
| 4  | Wedge               | Cast Iron - BS EN1561 EN-GJL-250       |
| 5  | Stem Nut            | Cast Brass - BS1400 PCB1               |
| 6  | Stem                | Stainless Steel - BS970 420S37         |
| 7  | Gasket              | Graphite                               |
| 8  | Bolt                | Steel - BS970 43A                      |
| 9  | Nut                 | Steel - BS970 43A                      |
| 10 | Bonnet              | Cast Iron - BS EN1561 EN-GJL-250       |
| 11 | Studs               | Steel - BS970 43A                      |
| 12 | Nut                 | Steel - BS970 43A                      |
| 13 | Stuffing Box Gasket | Graphite                               |
| 14 | Stuffing Box        | Cast Iron - BS EN1561 EN-GJL-250       |
| 15 | Packing             | Graphite                               |
| 16 | Gland Follower      | Ductile Iron - BS EN1563 EN-GJS-450-10 |
| 17 | Handwheel           | Cast Iron - BS EN1561 EN-GJL-250       |
| 18 | Disc                | Aluminium                              |
| 19 | Washer              | Steel - BS970 43A                      |
| 20 | Nut                 | Steel - BS970 43A                      |

### Technical Data

Maximum Pressure 16 Bar  
Working Temperature -10°C to +230°C

Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

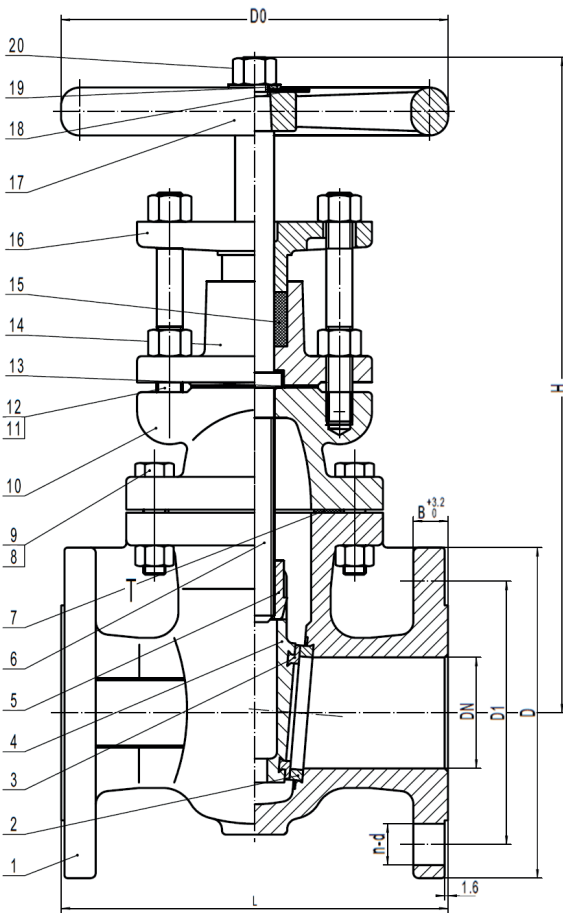
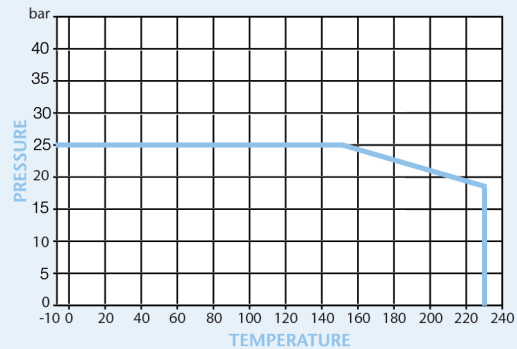


## PN25 Cast Iron Gate Valve

### Features

- Flange Mounting PN25 Only
- Flange conforms to BS EN1092 PN25
- Conforms to BS5150 (BS EN558-1)
- Non Rising Stem

### Pressure/Temperature



|     | 2"   | 2½"  | 3"   | 4"   | 5"   | 6"   | 8"    | 10"   | 12"   |
|-----|------|------|------|------|------|------|-------|-------|-------|
| L   | 216  | 241  | 283  | 305  | 381  | 403  | 419   | 457   | 502   |
| D   | 165  | 191  | 210  | 254  | 279  | 318  | 381   | 445   | 521   |
| D1  | 125  | 145  | 160  | 190  | 220  | 250  | 310   | 370   | 430   |
| D2  | 99   | 118  | 132  | 156  | 184  | 211  | 274   | 330   | 389   |
| f   | 3    | 3    | 3    | 3    | 3    | 3    | 3     | 3     | 4     |
| B   | 22   | 25   | 29   | 32   | 35   | 37   | 41    | 48    | 51    |
| n-d | 4-19 | 8-19 | 8-19 | 8-23 | 8-28 | 8-28 | 12-28 | 12-31 | 16-31 |
| d0  | 175  | 200  | 254  | 300  | 300  | 348  | 400   | 457   | 457   |
| H   | 303  | 338  | 375  | 424  | 499  | 561  | 665   | 810   | 905   |
| Kgs | 17.1 | 23   | 27.5 | 47.7 | 70   | 89   | 126   | 208   | 289   |

### Technical Data

Maximum Pressure 25 Bar  
 Working Temperature -10°C to +230°C

| N. | Part Name            | Materials                              |
|----|----------------------|--|
| 1  | Body                 | Cast Iron - BS EN1561 EN-GJL-250       |
| 2  | Body Seat Ring       | Cast Bronze - BS1400 LG2               |
| 3  | Wedge Seat Ring      | Cast Bronze - BS1400 LG2               |
| 4  | Wedge                | Cast Iron - BS EN1561 EN-GJL-250       |
| 5  | Wedge Nut            | Cast Brass - BS1400 PCB1               |
| 6  | Stem                 | Brass - BS2874 CZ122                   |
| 7  | Gasket               | Graphite                               |
| 8  | Bolt                 | Steel - BS970 43A                      |
| 9  | Nut                  | Steel - BS970 43A                      |
| 10 | Bonnet               | Cast Iron - BS EN1561 EN-GJL-250       |
| 11 | Gland Follower Bolt  | Steel - BS970 43A                      |
| 12 | Nut                  | Steel - BS970 43A                      |
| 13 | Gasket               | Graphite                               |
| 14 | Stuffing Box         | Cast Iron - BS EN1561 EN-GJL-250       |
| 15 | Packing              | Graphite                               |
| 16 | Gland Follower       | Ductile Iron - BS EN1563 EN-GJS-450-10 |
| 17 | Handwheel            | Cast Iron - BS EN1561 EN-GJL-250       |
| 18 | Identification Plate | Aluminium                              |
| 19 | Washer               | Steel - BS970 43A                      |
| 20 | Nut                  | Steel - BS970 43A                      |

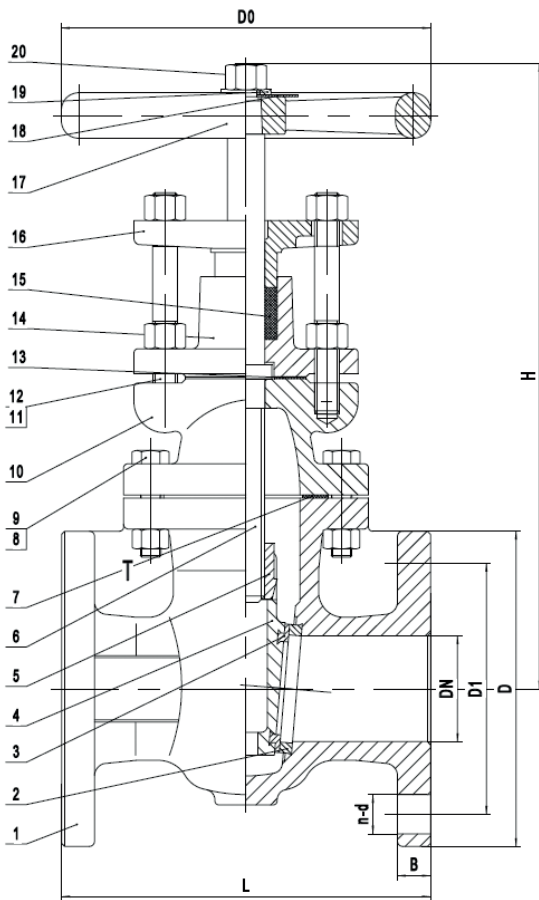
Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

## Cast Iron Gate Valve

### Features

- Flanged ANSI 125 (B16.1)
- Class 125 Rated
- Non Rising Stem
- Conforms to ASME B16.10 & MSS SP-70



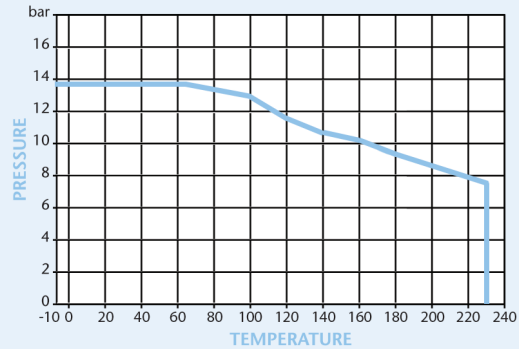
### Technical Data

|                     |                 |
|---------------------|-----------------|
| Maximum Pressure    | 13.8 Bar        |
| Working Temperature | -10°C to +230°C |

Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

### Pressure/Temperature



|     | 2"   | 2½"  | 3"   | 4"   | 5"     | 6"     | 8"     | 10"     | 12"     | 14"     | 16"     | 18"   | 20"   | 24"   |
|-----|------|------|------|------|--------|--------|--------|---------|---------|---------|---------|-------|-------|-------|
| L   | 178  | 190  | 203  | 229  | 254    | 267    | 292    | 330     | 356     | 381     | 406     | 432   | 457   | 508   |
| D   | 152  | 178  | 190  | 229  | 254    | 279    | 343    | 406     | 483     | 533     | 597     | 635   | 699   | 813   |
| D1  | 121  | 140  | 153  | 191  | 216    | 241    | 299    | 362     | 432     | 476     | 540     | 578   | 635   | 750   |
| B   | 16   | 18   | 19   | 24   | 24     | 25     | 29     | 30      | 32      | 35      | 37      | 40    | 43    | 48    |
| n-d | 4-19 | 4-19 | 4-19 | 8-19 | 8-22.2 | 8-22.2 | 8-22.2 | 12-25.4 | 12-25.4 | 12-28.6 | 16-28.6 | 16-32 | 20-32 | 20-35 |
| D0  | 178  | 178  | 200  | 254  | 300    | 300    | 348    | 400     | 457     | 560     | 560     | 610   | 610   | 765   |
| H   | 302  | 332  | 335  | 423  | 485    | 545    | 644    | 769     | 860     | 987     | 1044    | 1148  | 1257  | 1418  |
| Kgs | 16.5 | 21.6 | 26.5 | 47.2 | 68     | 87     | 118    | 197     | 275     | 370     | 462.5   | 635   | 800   | 1135  |

| N. | Part Name            | Materials                          |
|----|----------------------|------------------------------------|
| 1  | Body                 | Cast Iron - ASTM A 126-B           |
| 2  | Body Seat Ring       | Cast Bronze - ASTM B 62            |
| 3  | Wedge Seat Ring      | Cast Bronze - ASTM B 62            |
| 4  | Wedge                | Cast Iron - ASTM A 126-B           |
| 5  | Wedge Nut            | Cast Brass - Mn-Brass              |
| 6  | Stem                 | Brass - ASTM B 16                  |
| 7  | Gasket               | Graphite - Non-Asbestos            |
| 8  | Bolt                 | Steel - ASTM A 307 B               |
| 9  | Nut                  | Steel - ASTM A 563 B               |
| 10 | Bonnet               | Cast Iron - ASTM A 126-B           |
| 11 | Gland Follower Bolt  | Steel                              |
| 12 | Nut                  | Steel                              |
| 13 | Gasket               | Graphite - Non-Asbestos            |
| 14 | Stuffing Box         | Cast Iron - ASTM A 126-B           |
| 15 | Packing              | Graphite - Non-Asbestos            |
| 16 | Gland Follower       | Ductile Iron - ASTM A 536 65-45-12 |
| 17 | Handwheel            | Cast Iron - ASTM A 126-B           |
| 18 | Identification Plate | Aluminium                          |
| 19 | Washer               | Steel                              |
| 20 | Nut                  | Steel - ASTM A 563 B               |

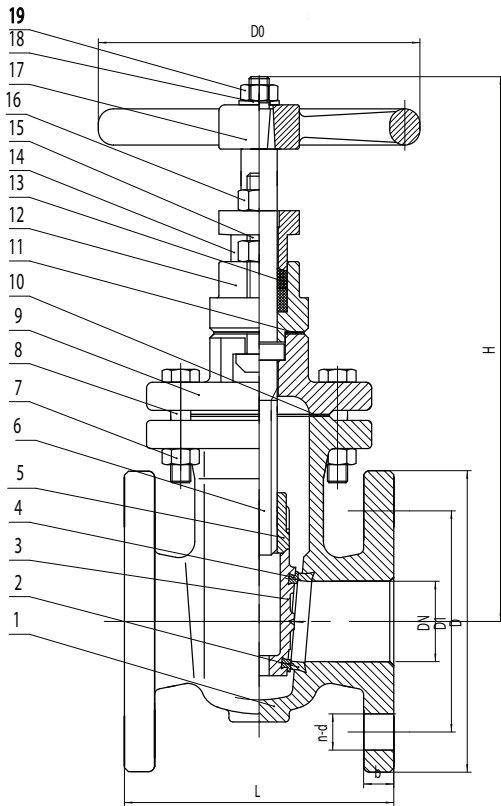
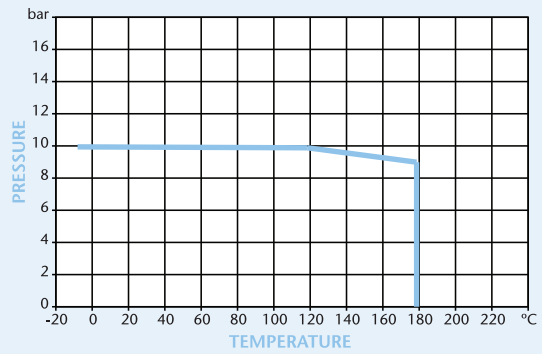
## BS 10 Cast Iron Gate Valve

### Features

- Flange Mounting BS10 Table 'E' and 'D'
- BS3464
- Non Rising Stem



### Pressure/Temperature



| DN  | 50     | 65     | 80     | 100    | 125    | 150    | 200    | 250    | 300    |
|-----|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| L   | 146    | 159    | 165    | 171    | 190    | 210    | 241    | 273    | 305    |
| D   | 155    | 175    | 185    | 210    | 250    | 280    | 330    | 400    | 445    |
| D1  | 114    | 127    | 146    | 178    | 210    | 235    | 292    | 356    | 406    |
| b   | 16     | 16     | 17     | 18     | 18     | 21     | 23     | 26     | 28     |
| n-d | 4-17.5 | 4-17.5 | 4-17.5 | 8-17.5 | 8-17.5 | 8-22.2 | 8-22.2 | 2-22.2 | 2-22.2 |
| D0  | 160    | 160    | 160    | 200    | 250    | 250    | 250    | 320    | 320    |
| H   | 292    | 324    | 360    | 380    | 454    | 490    | 578    | 711    | 767    |
| Kgs | 13.8   | 18.5   | 24.1   | 28.8   | 50     | 62     | 85.5   | 143    | 152    |

| N. | Part Name           | Materials       |
|----|---------------------|-----------------|
| 1  | Body                | Cast Iron GG25  |
| 2  | Body Seald Ring     | Cast Bronze     |
| 3  | Wedge               | Cast Iron       |
| 4  | Wedge Seat Ring     | Cast Bronze     |
| 5  | Stem Nut            | Cast Brass      |
| 6  | Stem                | Stainless Steel |
| 7  | Nut                 | Steel           |
| 8  | Bolt                | Steel           |
| 9  | Bonnet              | Cast Iron       |
| 10 | Gasket              | Graphite        |
| 11 | Stuffing Box Gasket | Graphite        |
| 12 | Stuffing Box        | Cast Iron       |
| 13 | Packing             | Graphite        |
| 14 | Gland Follower      | Cast Iron       |
| 15 | T-Bolt              | Steel           |
| 16 | Nut                 | Steel           |
| 17 | Handwheel           | Cast Iron       |
| 18 | Washer              | Steel           |
| 19 | Nut                 | Steel           |

### Technical Data

Maximum Pressure 10 Bar  
 Working Temperature -10°C to +180°C

Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

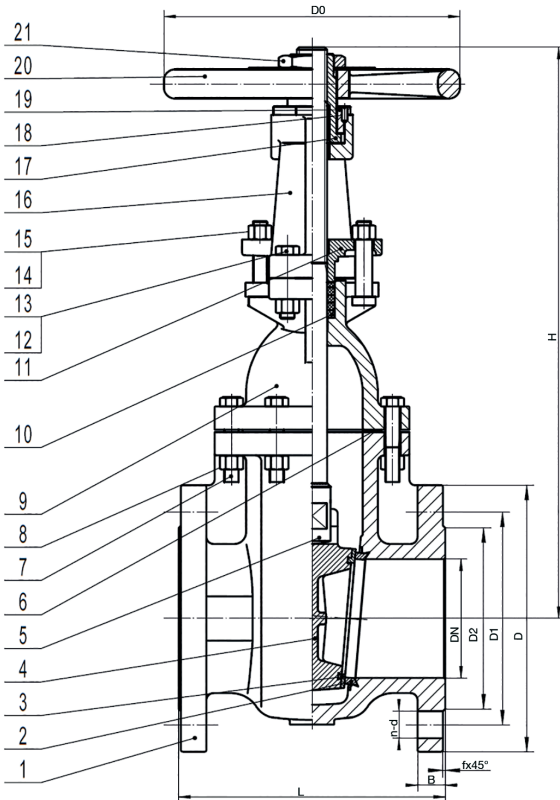
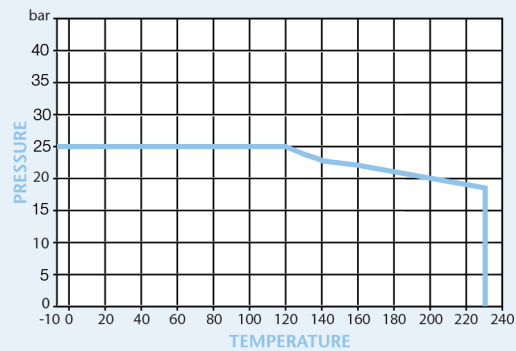


## PN25 Cast Iron Rising Stem Gate Valve

### Features

- Flange Mounting PN25 Only
- Flange conforms to BS EN1092 PN25
- Conforms to BS5150 (BS EN558-1 series 4)
- OSY rising stem

### Pressure/Temperature



### Technical Data

|                     |                 |
|---------------------|-----------------|
| Max Pressure        | 25 Bar          |
| Working Temperature | -10°C to +230°C |

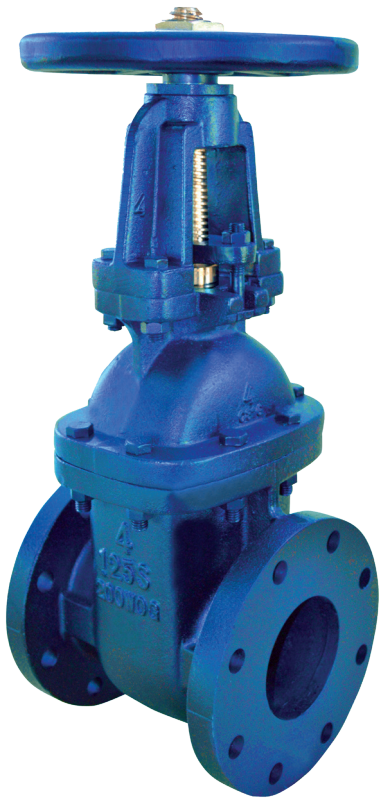
|         | 2"   | 2½"  | 3"   | 4"   | 5"   | 6"   | 8"     | 10"   | 12"   |
|---------|------|------|------|------|------|------|--------|-------|-------|
| L       | 216  | 241  | 283  | 305  | 381  | 403  | 419    | 457   | 502   |
| D       | 165  | 191  | 210  | 254  | 279  | 318  | 381    | 445   | 521   |
| D1      | 125  | 145  | 160  | 190  | 220  | 250  | 310    | 370   | 430   |
| D2      | 99   | 118  | 132  | 156  | 184  | 211  | 274    | 330   | 398   |
| B       | 22   | 25   | 29   | 32   | 35   | 37   | 41     | 48    | 51    |
| n-d     | 4-19 | 8-19 | 8-19 | 8-23 | 8-28 | 8-28 | 12-28  | 12-31 | 16-31 |
| D0      | 175  | 200  | 254  | 300  | 300  | 348  | 400    | 457   | 457   |
| f       | 3    | 3    | 3    | 3    | 3    | 3    | 3      | 3     | 4     |
| H (min) | 325  | 362  | 406  | 493  | 579  | 644  | 795    | 935   | 1059  |
| H (max) | 385  | 437  | 493  | 611  | 716  | 813  | 1023.5 | 1211  | 1386  |
| Kgs     | 17.8 | 23.3 | 28.2 | 45.8 | 69   | 86.2 | 125    | 206   | 278   |

| N. | Part Name        | Materials                       |
|----|------------------|---------------------------------|
| 1  | Body             | Cast Iron - BS1452 Gr.220       |
| 2  | Seat Ring        | Cast Bronze - BS1400 LG2        |
| 3  | Seat Ring        | Cast Bronze - BS1400 LG2        |
| 4  | Wedge            | Cast Iron - BS1452 Gr.220       |
| 5  | Stem             | Brass - BS2874 CZ122            |
| 6  | Gasket           | Graphite                        |
| 7  | Bolt             | Steel - BS970 43A               |
| 8  | Nut              | Steel - BS970 43A               |
| 9  | Bonnet           | Cast Iron - BS1452 Gr.220       |
| 10 | Packing          | Graphite                        |
| 11 | Gland Follower   | Ductile Iron - BS2789 Gr.420-12 |
| 12 | Bolt             | Steel - BS970 43A               |
| 13 | Nut              | Steel - BS970 43A               |
| 14 | Bolt             | Steel - BS970 43A               |
| 15 | Nut              | Steel - BS970 43A               |
| 16 | Yoke             | Cast Iron - BS1452 Gr.220       |
| 17 | Yoke Bushing     | Cast Brass - BS1400 PCB1        |
| 18 | Screw            | Steel - BS970 43A               |
| 19 | Yoke Bushing Nut | Cast Iron - BS1452 Gr.220       |
| 20 | Handwheel        | Cast Iron - BS1452 Gr.220       |
| 21 | Handwheel Nut    | Steel - BS970 43A               |

Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.



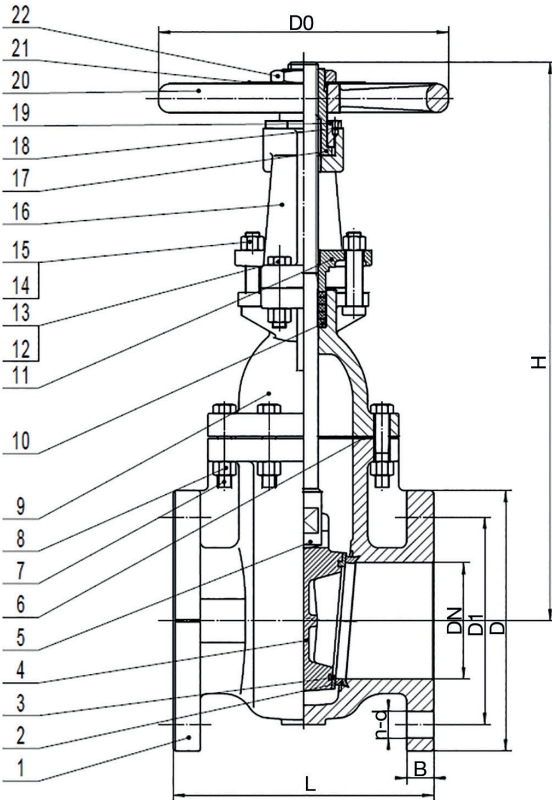
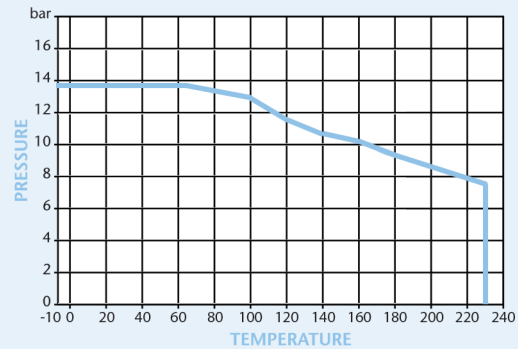


## ANSI 125 Cast Iron Rising Stem Gate Valve

### Features

- Flanged ANSI 125 (B16.1)
- Class 125 Rated
- OSY rising stem
- Conforms to ASME B16.10 & MSS SP-70

### Pressure/Temperature



|     | 2"   | 2½" | 3"   | 4"   | 5"   | 6"   | 8"   | 10"  | 12"  | 14"  | 16"  | 18"  | 20"  | 24"  |
|-----|------|-----|------|------|------|------|------|------|------|------|------|------|------|------|
| L   | 178  | 190 | 203  | 229  | 254  | 267  | 292  | 330  | 356  | 381  | 406  | 432  | 457  | 508  |
| D   | 152  | 178 | 190  | 229  | 254  | 279  | 343  | 406  | 483  | 533  | 597  | 635  | 699  | 813  |
| D1  | 121  | 140 | 153  | 191  | 216  | 241  | 299  | 362  | 432  | 476  | 540  | 578  | 635  | 750  |
| B   | 16   | 18  | 19   | 24   | 24   | 25   | 29   | 30   | 32   | 35   | 37   | 40   | 43   | 48   |
| n-d | 4-   | 4-  | 4-   | 8-   | 8-   | 8-   | 8-   | 12-  | 12-  | 12-  | 16-  | 16-  | 20-  | 20-  |
|     | 19   | 19  | 19   | 19   | 22.2 | 22.2 | 22.2 | 25.4 | 25.4 | 28.6 | 28.6 | 32   | 32   | 35   |
| D0  | 178  | 178 | 200  | 254  | 300  | 300  | 348  | 400  | 457  | 560  | 560  | 610  | 610  | 765  |
| H   | 311  | 347 | 384  | 490  | 541  | 656  | 778  | 933  | 1102 | 1259 | 1395 | 1560 | 1708 | 1990 |
| Kgs | 17.1 | 23  | 27.5 | 47.7 | 70   | 89   | 126  | 208  | 289  | 426  | 603  | 774  | 894  | 1294 |

| N. | Part Name            | Materials                         |
|----|----------------------|-----------------------------------|
| 1  | Body                 | Cast Iron - ASTM A 126-B          |
| 2  | Body Seat Ring       | Cast Bronze - ASTM B 62           |
| 3  | Wedge Seat Ring      | Cast Bronze - ASTM B 62           |
| 4  | Wedge                | Cast Iron - ASTM A 126-B          |
| 5  | Stem                 | Brass - ASTM B 16                 |
| 6  | Gasket               | Graphite - Non-Asbestos           |
| 7  | Bolt                 | Steel - ASTM A 307 B              |
| 8  | Nut                  | Steel - ASTM A 563 B              |
| 9  | Bonnet               | Cast Iron - ASTM A 126-B          |
| 10 | Packing              | Graphite - Non-Asbestos           |
| 11 | Gland Follower       | Ductile Iron - ASTM A536 65-45-12 |
| 12 | Bolt                 | Steel                             |
| 13 | Nut                  | Steel                             |
| 14 | Bolt                 | Steel                             |
| 15 | Nut                  | Steel                             |
| 16 | Yoke                 | Cast Iron - ASTM A 126-B          |
| 17 | Stem Nut             | Cast Brass - Mn-Brass             |
| 18 | Screw                | Steel                             |
| 19 | Nut                  | Cast Iron - ASTM A 126-B          |
| 20 | Handwheel            | Cast Iron - ASTM A 126-B          |
| 21 | Identification Plate | Aluminium                         |
| 22 | Handwheel Nut        | Steel                             |

### Technical Data

Max Pressure 13.8 Bar  
 Working Temperature -10°C to +230°C

Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

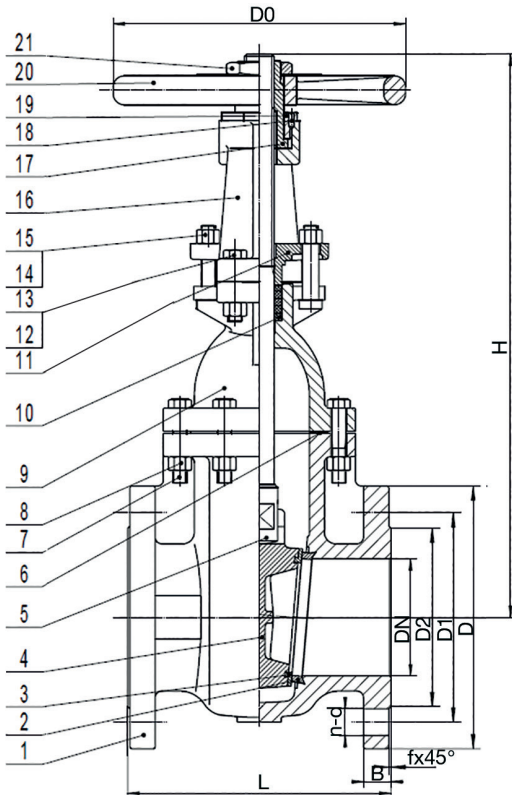
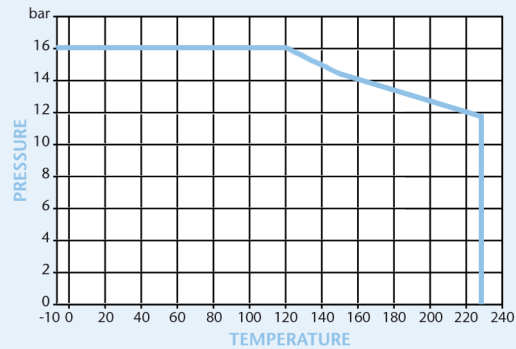


## PN16 Cast Iron Rising Stem Gate Valve

### Features

- Flange Mounting PN16 Only
- Flange conforms to BS EN1092 PN16
- Conforms to BS5150 (BS EN558-1 series 3)
- OSY rising stem

### Pressure/Temperature



|     | 2"   | 2½"  | 3"   | 4"   | 5"   | 6"   | 8"    | 10"   | 12"   | 14"   | 16"   | 18"   | 20"   | 24"   |
|-----|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| L   | 178  | 190  | 203  | 229  | 254  | 267  | 292   | 330   | 356   | 381   | 406   | 432   | 457   | 508   |
| D   | 165  | 185  | 200  | 220  | 250  | 285  | 340   | 405   | 460   | 520   | 580   | 640   | 715   | 840   |
| D1  | 125  | 145  | 160  | 180  | 210  | 240  | 295   | 355   | 410   | 470   | 525   | 585   | 650   | 770   |
| D2  | 99   | 118  | 132  | 156  | 184  | 211  | 266   | 319   | 370   | 429   | 480   | 548   | 609   | 720   |
| B   | 20   | 20   | 22   | 24   | 26   | 26   | 30    | 32    | 32    | 36    | 38    | 40    | 42    | 48    |
| n-d | 4-19 | 4-19 | 8-19 | 8-19 | 8-19 | 8-23 | 12-23 | 12-28 | 12-28 | 16-28 | 16-31 | 20-31 | 20-34 | 20-37 |
| D0  | 178  | 178  | 200  | 254  | 300  | 300  | 348   | 400   | 457   | 560   | 560   | 610   | 610   | 765   |
| f   | 3    | 3    | 3    | 3    | 3    | 3    | 3     | 3     | 4     | 4     | 4     | 4     | 4     | 5     |
| H   | 311  | 347  | 384  | 490  | 541  | 656  | 778   | 933   | 1102  | 1259  | 1395  | 1560  | 1708  | 1990  |
| Kgs | 17.8 | 23.3 | 28.2 | 45.8 | 69   | 86.2 | 125   | 206   | 278   | 421   | 596   | 771   | 896   | 1300  |

### Technical Data

|                     |                 |
|---------------------|-----------------|
| Max Pressure        | 16 Bar          |
| Working Temperature | -10°C to +230°C |

Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

| N. | Part Name           | Materials                              |
|----|---------------------|--|
| 1  | Body                | Cast Iron - BS EN1561 EN-GJL-250       |
| 2  | Seat Ring           | Cast Bronze - ASTM B62                 |
| 3  | Seat Ring           | Cast Bronze - ASTM B62                 |
| 4  | Wedge               | Cast Iron - BS EN1561 EN-GJL-250       |
| 5  | Stem                | Stainless Steel - BS970 420S37         |
| 6  | Gasket              | Graphite                               |
| 7  | Bolt                | Steel - BS970 43A                      |
| 8  | Nut                 | Steel - BS970 43A                      |
| 9  | Bonnet              | Cast Iron - BS EN1561 EN-GJL-250       |
| 10 | Packing             | Graphite                               |
| 11 | Gland Follower      | Ductile Iron - BS EN1563 EN-GJS-450-10 |
| 12 | Bolt                | Steel - BS970 43A                      |
| 13 | Nut                 | Steel - BS970 43A                      |
| 14 | Gland Follower Bolt | Steel - BS970 43A                      |
| 15 | Nut                 | Steel - BS970 43A                      |
| 16 | Yoke                | Cast Iron - BS EN1561 EN-GJL-250       |
| 17 | Yoke Bushing        | Cast Brass - BS1400 PCB1               |
| 18 | Screw               | Steel - BS970 43A                      |
| 19 | Yoke Bushing Nut    | Cast Iron - BS EN1561 EN-GJL-250       |
| 20 | Handwheel           | Cast Iron - BS EN1561 EN-GJL-250       |
| 21 | Handwheel Nut       | Steel - BS970 43A                      |

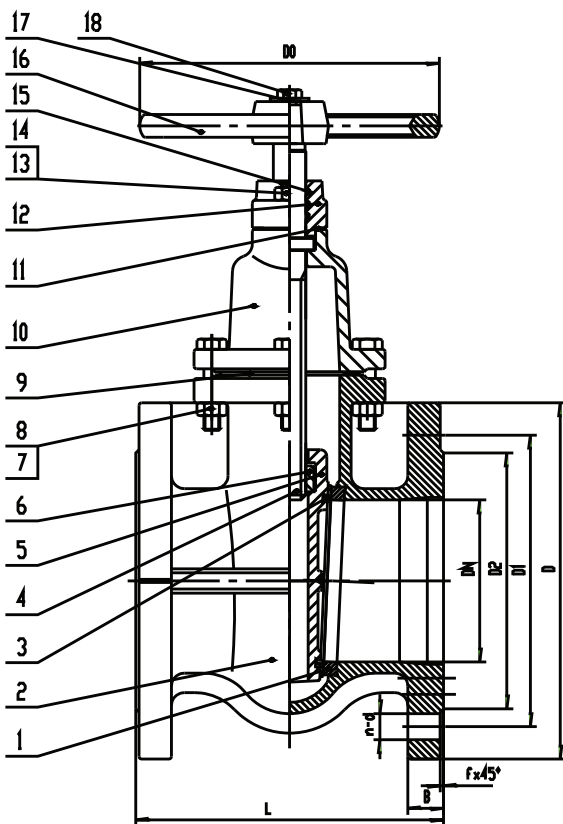
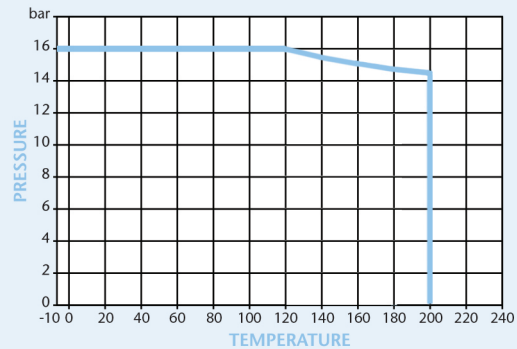
## PN16 Ductile Iron Gate Valve

### Features

- Flange Mounting PN16 Only
- BS EN 558-1 Series 14
- DIN 3352F4



### Pressure/Temperature



| DN  | 50   | 65   | 80   | 100  | 125  | 150  | 200   | 250   | 300   |
|-----|------|------|------|------|------|------|-------|-------|-------|
| L   | 150  | 170  | 180  | 190  | 200  | 210  | 230   | 250   | 270   |
| D   | 165  | 185  | 200  | 220  | 250  | 285  | 340   | 405   | 460   |
| D1  | 125  | 145  | 160  | 180  | 210  | 240  | 295   | 355   | 410   |
| D2  | 102  | 124  | 140  | 158  | 188  | 212  | 268   | 320   | 378   |
| B   | 16   | 16   | 17   | 17   | 18   | 20   | 21    | 23    | 24    |
| f   | 2    | 2    | 2    | 2    | 3    | 3    | 3     | 3     | 4     |
| n-d | 4-19 | 4-19 | 8-19 | 8-19 | 8-19 | 8-23 | 12-23 | 12-28 | 12-28 |
| D0  | 130  | 130  | 150  | 185  | 185  | 195  | 225   | 245   | 285   |
| Kgs | 10.8 | 12.8 | 16.6 | 22.8 | 32.1 | 42.9 | 71.3  | 98    | 145   |

### Technical Data

|                     |                 |
|---------------------|-----------------|
| Pressure            | 16 Bar          |
| Working Temperature | -10°C to +200°C |

Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

| N. | Part Name           | Materials       |
|----|---------------------|-----------------|
| 1  | Body Seat Ring      | Cast Brass      |
| 2  | Body                | Ductile Iron    |
| 3  | Wedge Seat Ring     | Cast Brass      |
| 4  | Stem                | Stainless Steel |
| 5  | Wedge               | Ductile Iron    |
| 6  | Stem Nut            | Cast Brass      |
| 7  | Bolt                | Steel           |
| 8  | Nut                 | Steel           |
| 9  | Flange Gasket       | Graphite        |
| 10 | Bonnet              | Ductile Iron    |
| 11 | Stuffing Box Gasket | Graphite        |
| 12 | Stuffing Box        | Ductile Iron    |
| 13 | Bolt                | Steel           |
| 14 | Nut                 | Steel           |
| 15 | O-Ring              | NBR             |
| 16 | Handwheel           | Cast Iron       |
| 17 | Washer              | Steel           |
| 18 | Bolt                | Steel           |



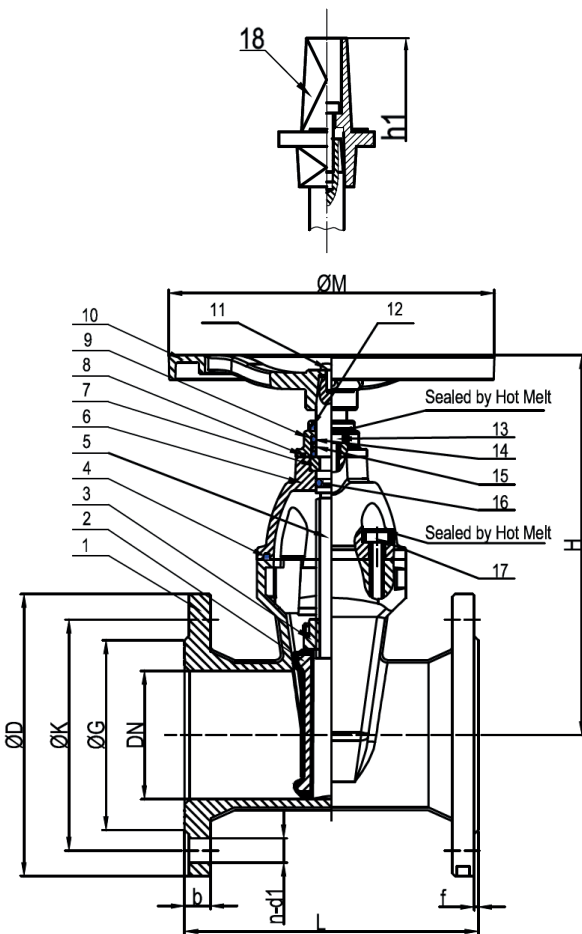
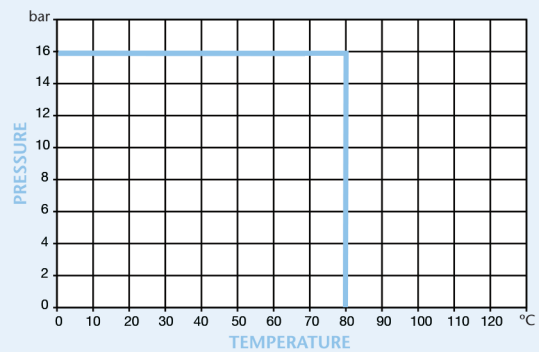
Handwheel, gearbox or cap top operation

## PN16 Ductile Iron Resilient Seat Gate Valve

### Features

- BS5163, Type B cover and stem
- Non rising stem, clockwise closing
- Flange mounting to EN1092-2 PN16
- Face to face length to EN558-1 Series 3
- WRAS Approved
- Internally and externally fusion bonded epoxy coated

### Pressure/Temperature



### Technical Data

Maximum Pressure 16 Bar  
Working Temperature 0°C to +80°C

Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

|      | 1½"    | 2"     | 2½"    | 3"     | 4"     | 5"     | 6"     | 8"      | 10"     | 12"     | 14"     | 16"     | 18"     | 20"     | 24"     |
|------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| L    | 165    | 178    | 190    | 203    | 229    | 254    | 267    | 292     | 330     | 356     | 381     | 406     | 432     | 457     | 508     |
| H    | 190    | 215    | 235    | 265    | 315    | 350    | 385    | 485     | 600     | 680     | 810     | 890     | 1050    | 1230    | 1260    |
| M    | 200    | 200    | 200    | 254    | 254    | 315    | 315    | 315     | 406     | 406     | 500     | 500     | 500     | 650     | 650     |
| h1   | 260    | 285    | 300    | 320    | 390    | 430    | 470    | 560     | 680     | 770     | 900     | 1000    | 1150    | 1330    | 1510    |
| D    | 150    | 165    | 185    | 200    | 220    | 250    | 285    | 340     | 405     | 460     | 520     | 580     | 640     | 715     | 840     |
| K    | 110    | 125    | 145    | 160    | 180    | 210    | 240    | 295     | 355     | 410     | 470     | 525     | 585     | 650     | 770     |
| G    | 84     | 99     | 118    | 132    | 156    | 184    | 211    | 266     | 319     | 370     | 429     | 480     | 548     | 609     | 720     |
| n-d1 | 4- Ø19 | 4- Ø19 | 4- Ø19 | 8- Ø19 | 8- Ø19 | 8- Ø19 | 8- Ø19 | 12- Ø23 | 12- Ø23 | 12- Ø28 | 16- Ø28 | 16- Ø31 | 20- Ø31 | 20- Ø34 | 20- Ø37 |
| b    | 19     | 19     | 19     | 19     | 19     | 19     | 19     | 20      | 22      | 24.5    | 26.5    | 28      | 30      | 31.5    | 36      |
| f    | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3       | 3       | 4       | 4       | 4       | 4       | 4       | 5       |
| Kgs  | 7      | 9      | 12     | 14     | 19     | 24     | 31     | 52      | 87      | 116     | 185     | 225     | 360     | 450     | 690     |

| N. | Part Name     | Materials                               |
|----|---------------|---|
| 1  | Body          | Ductile Iron GGG50 - BS2789             |
| 2  | Disc          | Ductile Iron GGG50 + EPDM (WRAS)-BS2789 |
| 3  | Stem Nut      | Brass HPb59-1 - BS2872-2874             |
| 4  | Bonnet Gasket | EPDM (WRAS) - ISO4633                   |
| 5  | Stem          | Stainless Steel 316 - BS970             |
| 6  | Bonnet        | Ductile Iron GGG50 - BS2789             |
| 7  | Holding Ring  | Brass HPb59-1 - BS2872-2874             |
| 8  | O-Ring        | EPDM (WRAS) - ISO4633                   |
| 9  | Gland         | Ductile Iron GGG50 - BS2789             |
| 10 | Hand Wheel    | Ductile Iron GGG50 - BS2789             |
| 11 | Screw         | Stainless Steel 316 - BS970             |
| 12 | Dust Ring     | EPDM (WRAS) - ISO4633                   |
| 13 | Gland Bolts   | Stainless Steel 316 - BS970             |
| 14 | O-Ring        | EPDM (WRAS) - ISO4633                   |
| 15 | Washers       | Nylon 66                                |
| 16 | O-Ring        | EPDM (WRAS) - ISO4633                   |
| 17 | Bonnet Bolts  | Stainless Steel 316 - BS970             |
| 18 | Cap Top       | Ductile Iron GGG50 - BS2789             |

## PN25 Ductile Iron Resilient Seat Gate Valve

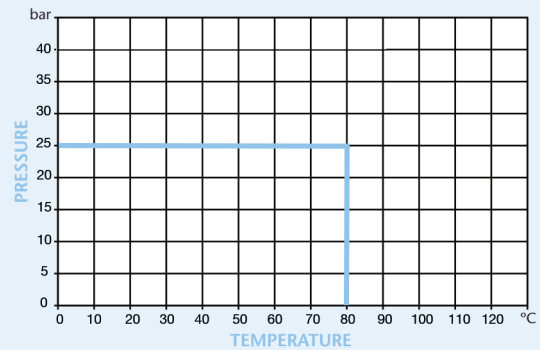
### Features

- BS5163, Type B cover and stem
- Non rising stem, clockwise closing
- Flange mounting to EN1092-2 PN25
- Face to face length to EN558-1 Series 3
- WRAS Approved EPDM
- Internally and externally fusion bonded epoxy coated WRAS approved



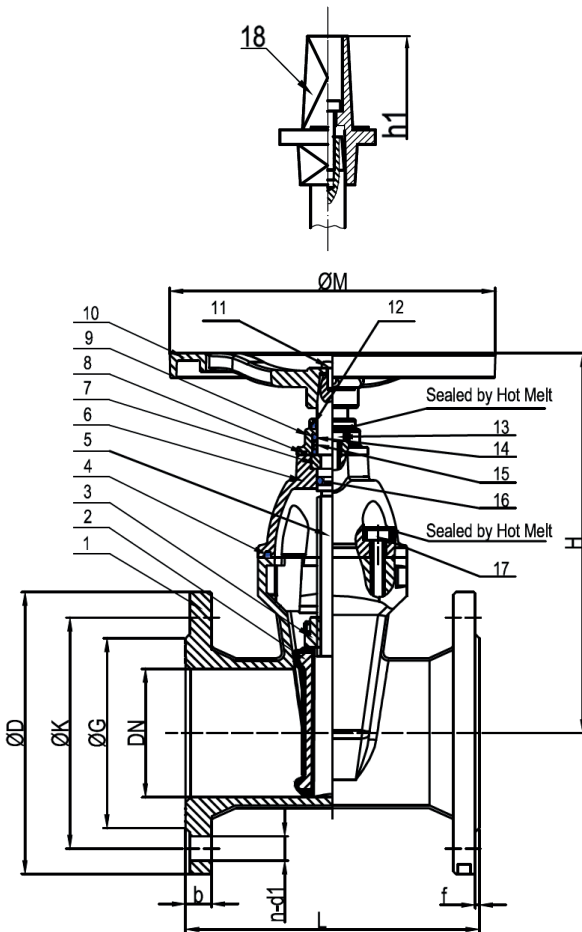
Handwheel, gearbox or cap top operation

### Pressure/Temperature



|      | 2"    | 2½"   | 3"    | 4"    | 5"    | 6"    | 8"     | 10"    | 12"    |
|------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| L    | 178   | 190   | 203   | 229   | 254   | 267   | 292    | 330    | 356    |
| H    | 215   | 235   | 265   | 315   | 350   | 385   | 485    | 600    | 680    |
| M    | 200   | 200   | 254   | 254   | 315   | 315   | 315    | 406    | 406    |
| h1   | 285   | 300   | 320   | 390   | 430   | 470   | 560    | 680    | 770    |
| D    | 165   | 185   | 200   | 235   | 270   | 300   | 360    | 425    | 485    |
| K    | 125   | 145   | 160   | 190   | 220   | 250   | 310    | 370    | 430    |
| G    | 99    | 118   | 132   | 156   | 184   | 211   | 274    | 330    | 389    |
| n-d1 | 4-Ø19 | 8-Ø19 | 8-Ø19 | 8-Ø23 | 8-Ø28 | 8-Ø28 | 12-Ø28 | 12-Ø31 | 16-Ø31 |
| b    | 19    | 19    | 19    | 19    | 19    | 20    | 22     | 25     | 28     |
| f    | 3     | 3     | 3     | 3     | 3     | 3     | 3      | 3      | 4      |
| Kgs  | 9     | 12    | 14    | 19    | 24    | 31    | 52     | 87     | 116    |

| N. | Part Name     | Materials                               |
|----|---------------|---|
| 1  | Body          | Ductile Iron GGG50 - BS2789             |
| 2  | Disc          | Ductile Iron GGG50 + EPDM (WRAS)-BS2789 |
| 3  | Stem Nut      | Brass HPb59-1 - BS2872-2874             |
| 4  | Bonnet Gasket | EPDM (WRAS) - ISO4633                   |
| 5  | Stem          | Stainless Steel 316 - BS970             |
| 6  | Bonnet        | Ductile Iron GGG50 - BS2789             |
| 7  | Holding Ring  | Brass HPb59-1 - BS2872-2874             |
| 8  | O-Ring        | EPDM (WRAS) - ISO4633                   |
| 9  | Gland         | Ductile Iron GGG50 - BS2789             |
| 10 | Hand Wheel    | Ductile Iron GGG50 - BS2789             |
| 11 | Screw         | Stainless Steel 316 - BS970             |
| 12 | Dust Ring     | EPDM (WRAS) - ISO4633                   |
| 13 | Gland Bolts   | Stainless Steel 316 - BS970             |
| 14 | O-Ring        | EPDM (WRAS) - ISO4633                   |
| 15 | Washers       | Nylon 66                                |
| 16 | O-Ring        | EPDM (WRAS) - ISO4633                   |
| 17 | Bonnet Bolts  | Stainless Steel 316 - BS970             |
| 18 | Cap Top       | Ductile Iron GGG50 - BS2789             |



### Technical Data

Maximum Pressure 25 Bar  
Working Temperature 0°C to +80°C

Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

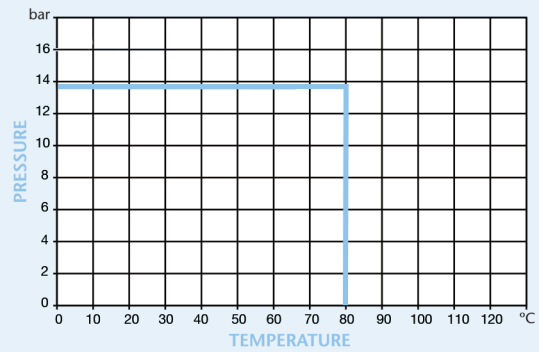


## ANSI 125 Ductile Iron Resilient Seat Gate Valve

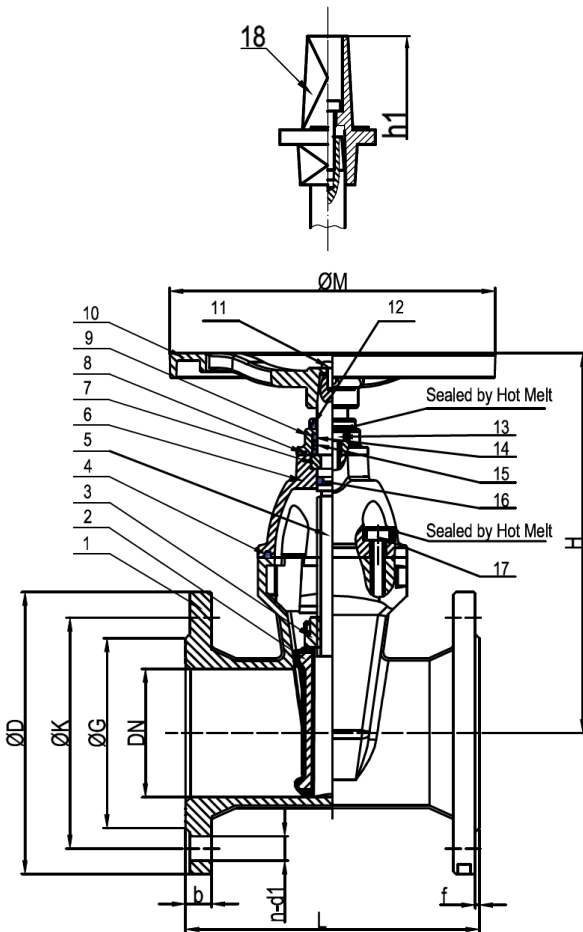
### Features

- BS5163, Type B cover and stem
- Non rising stem, clockwise closing
- Flange mounting to ANSI 125 (B16.1)
- Face to face length to EN558-1 Series 3
- WRAS Approved EPDM
- Internally and externally fusion bonded epoxy coated WRAS approved

### Pressure/Temperature



Handwheel, gearbox or cap top operation



|      | 2"     | 2½"    | 3"     | 4"     | 5"     | 6"     | 8"     | 10"     | 12"     | 14"     | 16"     | 18"     | 20"     | 24"     |
|------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|---------|
| L    | 178    | 190    | 203    | 229    | 254    | 267    | 292    | 330     | 356     | 381     | 406     | 432     | 457     | 508     |
| H    | 215    | 235    | 265    | 315    | 350    | 385    | 485    | 600     | 680     | 810     | 890     | 1050    | 1230    | 1260    |
| M    | 200    | 200    | 254    | 254    | 315    | 315    | 315    | 406     | 406     | 500     | 500     | 500     | 650     | 650     |
| h1   | 285    | 300    | 320    | 390    | 430    | 470    | 560    | 680     | 770     | 900     | 1000    | 1150    | 1330    | 1510    |
| D    | 165    | 185    | 200    | 220    | 250    | 285    | 340    | 405     | 483     | 520     | 580     | 640     | 715     | 840     |
| K    | 121    | 140    | 152    | 191    | 216    | 241    | 298    | 362     | 432     | 476     | 540     | 578     | 635     | 749     |
| G    | 99     | 118    | 132    | 156    | 184    | 211    | 266    | 319     | 370     | 429     | 480     | 548     | 609     | 720     |
| n-d1 | 4- Ø19 | 4- Ø19 | 4- Ø19 | 8- Ø19 | 8- Ø19 | 8- Ø22 | 8- Ø22 | 12- Ø25 | 12- Ø25 | 12- Ø28 | 16- Ø28 | 16- Ø32 | 20- Ø32 | 20- Ø35 |
| b    | 19     | 19     | 19     | 19     | 19     | 19     | 20     | 22      | 24.5    | 26.5    | 28      | 30      | 31.5    | 36      |
| f    | 3      | 3      | 3      | 3      | 3      | 3      | 3      | 3       | 4       | 4       | 4       | 4       | 4       | 5       |
| Kgs  | 9      | 12     | 14     | 19     | 24     | 31     | 52     | 87      | 116     | 185     | 225     | 360     | 450     | 690     |

| N. | Part Name     | Materials                               |
|----|---------------|---|
| 1  | Body          | Ductile Iron GGG50 - BS2789             |
| 2  | Disc          | Ductile Iron GGG50 + EPDM (WRAS)-BS2789 |
| 3  | Stem Nut      | Brass HPb59-1 - BS2872-2874             |
| 4  | Bonnet Gasket | EPDM (WRAS) - ISO4633                   |
| 5  | Stem          | Stainless Steel 316 - BS970             |
| 6  | Bonnet        | Ductile Iron GGG50 - BS2789             |
| 7  | Holding Ring  | Brass HPb59-1 - BS2872-2874             |
| 8  | O-Ring        | EPDM (WRAS) - ISO4633                   |
| 9  | Gland         | Ductile Iron GGG50 - BS2789             |
| 10 | Hand Wheel    | Ductile Iron GGG50 - BS2789             |
| 11 | Screw         | Stainless Steel 316 - BS970             |
| 12 | Dust Ring     | EPDM (WRAS) - ISO4633                   |
| 13 | Gland Bolts   | Stainless Steel 316 - BS970             |
| 14 | O-Ring        | EPDM (WRAS) - ISO4633                   |
| 15 | Washers       | Nylon 66                                |
| 16 | O-Ring        | EPDM (WRAS) - ISO4633                   |
| 17 | Bonnet Bolts  | Stainless Steel 316 - BS970             |
| 18 | Cap Top       | Ductile Iron GGG50 - BS2789             |

### Technical Data

Maximum Pressure 13.8 Bar  
Working Temperature 0°C to +80°C

Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

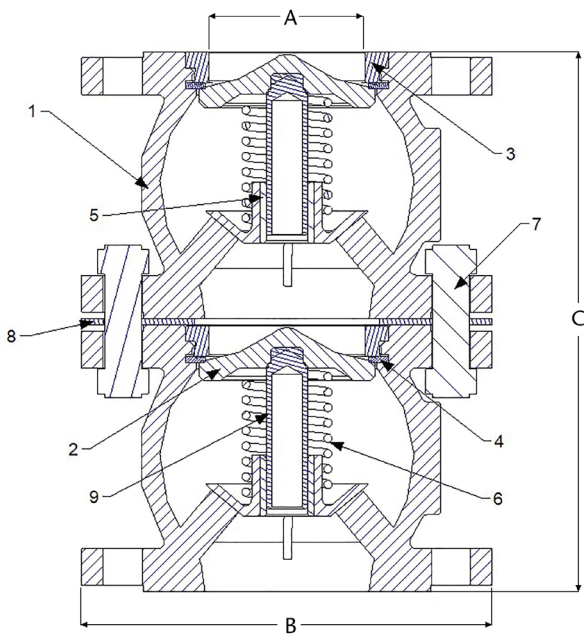
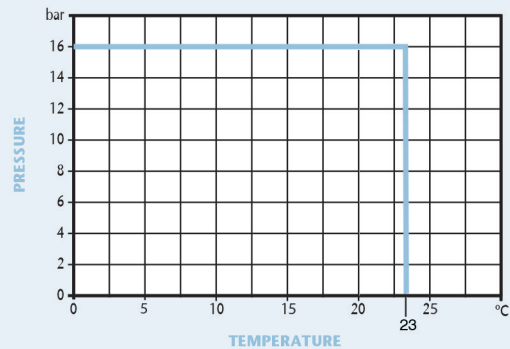
## Ductile Iron PN16 Flanged Double Check Valve

### Features

- Flange mounting PN16 only (EN 1092-2)
- Epoxy coat finish
- Operates in any position
- WRAS Approved as a non-return valve



### Pressure / Temperature



| DN  | 50  | 65   | 80   | 100 | 125 | 150 | 200 | 250 |
|-----|-----|------|------|-----|-----|-----|-----|-----|
| A   | 50  | 65   | 80   | 100 | 125 | 150 | 200 | 250 |
| B   | 165 | 185  | 200  | 220 | 250 | 285 | 340 | 405 |
| C   | 205 | 245  | 265  | 315 | 405 | 465 | 565 | 693 |
| Kgs | 12  | 16.2 | 17.2 | 25  | 40  | 60  | 100 | 188 |

| N | Part Name     | Material                      |
|---|---------------|-------------------------------|
| 1 | Body          | Ductile Iron SG 420/12        |
| 2 | Plunger Top   | Delrin 150                    |
| 3 | Sealing Ring  | Delrin 150                    |
| 4 | Seal          | Nitrile 70 Shore              |
| 5 | Guide Bush    | Cz132 DZR Brass               |
| 6 | Spring        | Stainless Steel Grade 304 S26 |
| 7 | Studs         | Mild Steel (Plated)           |
| 8 | Gasket        | Nitrile 70 Shore              |
| 9 | Plunger Shaft | Cz132 DZR Brass               |

### Technical Data

Maximum Pressure 16 Bar  
 Working Temperature 0°C to +23°C

Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

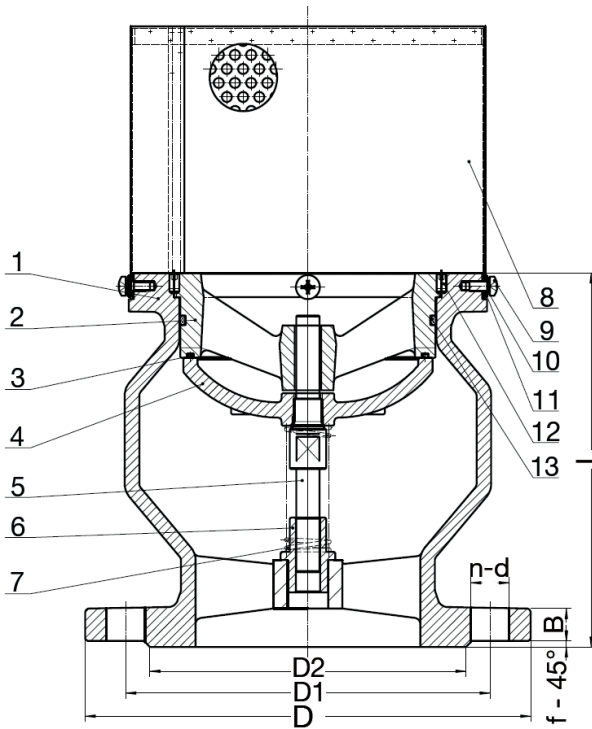
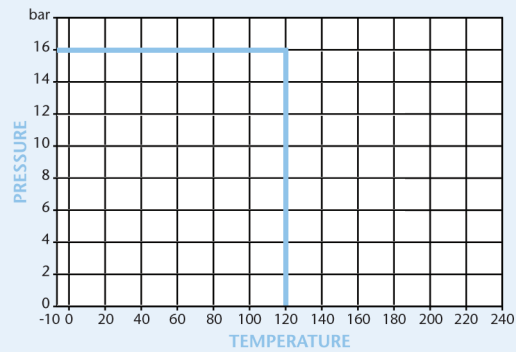
## PN16 Ductile Iron Foot Valve

### Features

- Flange conforms to BS EN1092 PN16
- Valve design conforms to BS EN12334
- Valve inspection and testing in accordance with BS EN12266



### Pressure/Temperature



|     | 2"   | 2½"  | 3"   | 4"   | 5"   | 6"   | 8"    | 10"   | 12"   | 14"   | 16"   |
|-----|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| L   | 133  | 140  | 152  | 185  | 216  | 230  | 259   | 362   | 393   | 400   | 448   |
| D   | 165  | 185  | 200  | 220  | 250  | 285  | 340   | 405   | 460   | 520   | 580   |
| D1  | 125  | 145  | 160  | 180  | 210  | 240  | 295   | 355   | 410   | 470   | 525   |
| D2  | 99   | 118  | 132  | 156  | 184  | 211  | 266   | 319   | 370   | 429   | 480   |
| B   | 19   | 19   | 19   | 19   | 19   | 19   | 20    | 22    | 25    | 27    | 28    |
| f   | 3    | 3    | 3    | 3    | 3    | 3    | 3     | 3     | 4     | 4     | 4     |
| n-d | 4-19 | 4-19 | 8-19 | 8-19 | 8-19 | 8-23 | 12-23 | 12-28 | 12-28 | 16-28 | 16-31 |
| Kgs | 6.7  | 8.1  | 9.3  | 13.1 | 17.9 | 24.2 | 39.6  | 69    | 89.6  | 138.1 | 190.4 |

### Technical Data

|                     |                 |
|---------------------|-----------------|
| Max Pressure        | 16 Bar          |
| Working Temperature | -10°C to +120°C |

Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

| N. | Part Name | Materials                              |
|----|-----------|--|
| 1  | Body      | Ductile Iron - BS EN1563 EN-GJS-450-10 |
| 2  | Seat Body | Ductile Iron - BS EN1563 EN-GJS-450-10 |
| 3  | Seat      | EPDM                                   |
| 4  | Disc      | Ductile Iron - BS EN1563 EN-GJS-450-10 |
| 5  | Stem      | Stainless Steel - BS970 304S15         |
| 6  | Bushing   | Brass - BS2874 CZ122                   |
| 7  | Spring    | Stainless Steel - BS970 304S15         |
| 8  | Screen    | Stainless Steel - BS970 304S15         |
| 9  | Screw     | Stainless Steel - BS970 304S15         |
| 10 | Washer    | Stainless Steel - BS970 304S15         |
| 11 | Washer    | Stainless Steel - BS970 304S15         |
| 12 | Screw     | Stainless Steel - BS970 304S15         |
| 13 | Seat      | EPDM                                   |



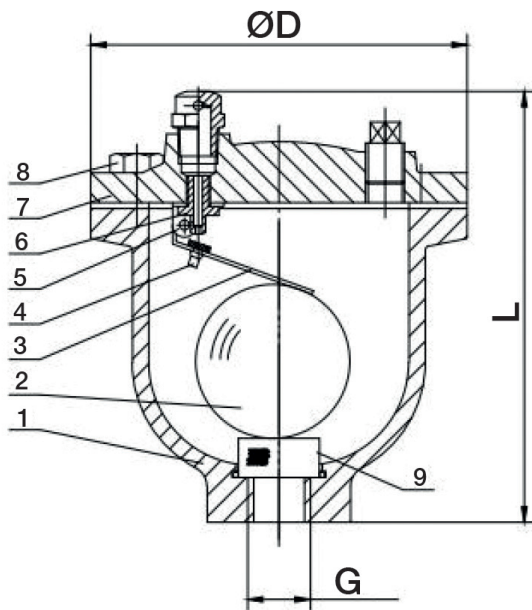
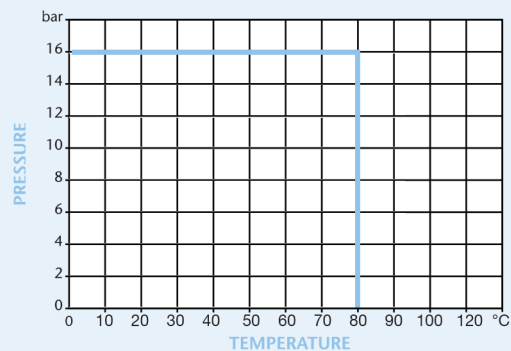
## Single Air Release Valve

### Features

- Available in Screwed BSP Taper (ISO 7/1) or NPT (ANSI B1.20.1)
- WRAS approved coating
- Internally and externally fusion bonded epoxy coated



### Pressure/Temperature



|               | 15   | 20   | 25   | 32     | 40     | 50   |
|---------------|------|------|------|--------|--------|------|
| G             | 1/2" | 3/4" | 1"   | 1 1/4" | 1 1/2" | 2"   |
| D             | 118  | 118  | 118  | 145    | 145    | 145  |
| L             | 145  | 145  | 145  | 225    | 225    | 225  |
| Outlet        | 1/4" | 1/4" | 1/4" | 1/4"   | 1/4"   | 1/4" |
| Air Vent Hole | Ø1.6 | Ø1.6 | Ø1.6 | Ø1.6   | Ø1.6   | Ø1.6 |
| Kgs           | 2.50 | 2.40 | 2.30 | 5.80   | 5.50   | 5.30 |

| N. | Part Name  | Materials               |
|----|------------|-------------------------|
| 1  | Body       | Ductile Iron - QT450-10 |
| 2  | Float Ball | Stainless Steel 304     |
| 3  | Lever      | Stainless Steel 304     |
| 4  | Plug       | NBR                     |
| 5  | Lever Seat | Stainless Steel 304     |
| 6  | Seat       | Stainless Steel 304     |
| 7  | Cover      | Ductile Iron - QT450-10 |
| 8  | Screw      | Stainless Steel A2-70   |
| 9  | Screen     | Stainless Steel 304     |

### Technical Data

|                     |              |
|---------------------|--------------|
| Max Pressure        | 16 Bar       |
| Working Temperature | 0°C to +80°C |

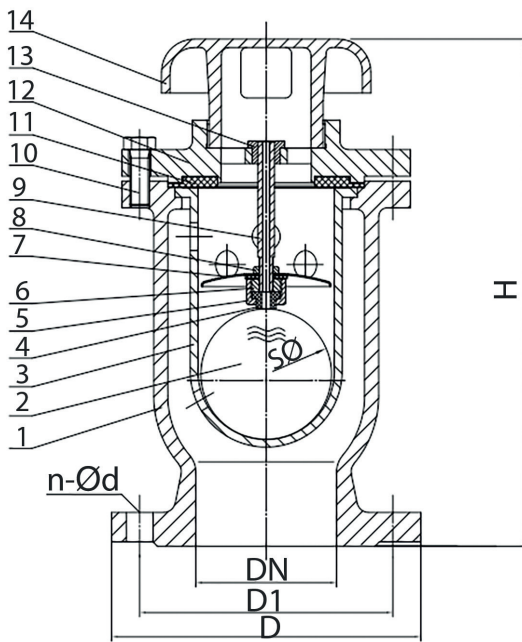
Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

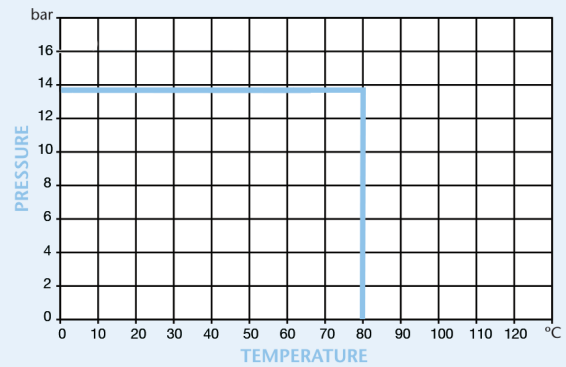
## Flanged Air Release Valve

### Features

- Flange Mounting ANSI 125 (B16.1)
- Flange conforms to ASME B16.10
- WRAS approved coating
- Internally and externally fusion bonded epoxy coated



### Pressure/Temperature



| DN  | 50        | 65        | 80        | 100       | 150         | 200         | 250          | 300          |
|-----|-----------|-----------|-----------|-----------|-------------|-------------|--------------|--------------|
| D   | 152       | 178       | 191       | 229       | 279         | 343         | 406          | 483          |
| D1  | 120.5     | 139.5     | 152.5     | 190.5     | 241.5       | 298.5       | 362.0        | 432.0        |
| n-d | 4-<br>Ø19 | 4-<br>Ø19 | 4-<br>Ø19 | 8-<br>Ø19 | 8-<br>Ø22.4 | 8-<br>Ø22.4 | 12-<br>Ø25.4 | 12-<br>Ø25.4 |
| H   | 330       | 365       | 365       | 387       | 465         | 495         | 525          | 587          |
| SØ  | 94        | 94        | 94        | 94        | 135         | 160         | 200          | 250          |
| Kgs | 16.0      | 20.0      | 22.5      | 50.0      | 55.0        | 68.0        | 75.0         | 96.0         |

| N. | Part Name | Materials                        |
|----|-----------|----------------------------------|
| 1  | Body      | Ductile Iron - ASTM A536         |
| 2  | Ball      | Stainless Steel - A351 Grade CF8 |
| 3  | Sleeve    | Ductile Iron - ASTM A536         |
| 4  | Seat      | NBR - ASTM D1349                 |
| 5  | Bearing   | Brass - ASTM B124M               |
| 6  | Plug      | Brass - ASTM B124M               |
| 7  | Guide     | Stainless Steel - ASTM A276 CF8  |
| 8  | Nut       | Brass - ASTM B124M               |
| 9  | Stem      | Brass - ASTM B124M               |
| 10 | Bolt      | Stainless Steel - ASTM A276 CF8  |
| 11 | Washer    | NBR - ASTM D1349                 |
| 12 | Bonnet    | Ductile Iron - ASTM A536         |
| 13 | Bush      | Brass - ASTM B124M               |
| 14 | Cover     | Ductile Iron - ASTM A536         |

### Technical Data

Max Pressure 13.8 Bar  
Working Temperature 0°C to +80°C

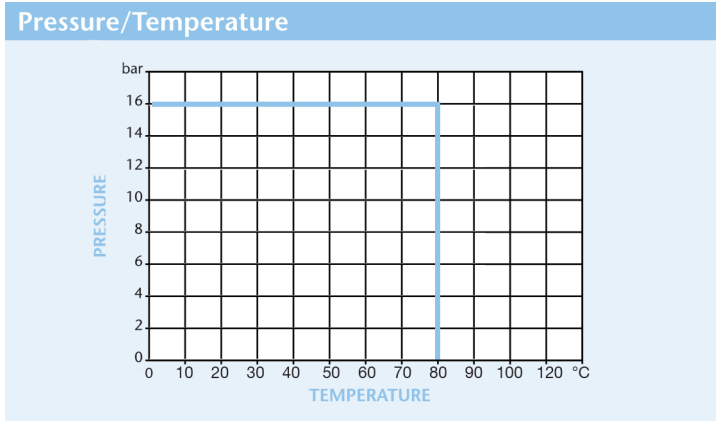
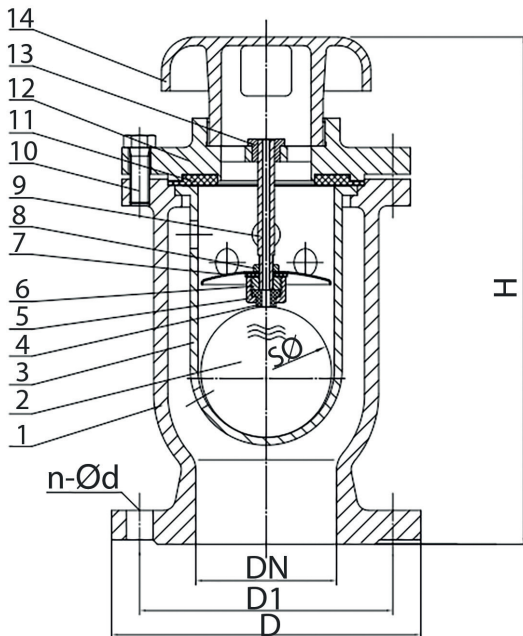
Dimensions in mm

This data sheet is designed as a guide and should not be regarded as wholly accurate in every detail. We reserve the right to amend the specification of any product without notice.

## Flanged Air Release Valve

### Features

- Flange Mounting PN16 Only
- Flange conforms to BS EN1092 PN16
- WRAS approved coating
- Internally and externally fusion bonded epoxy coated



| DN  | 50    | 65    | 80    | 100   | 150   | 200    | 250    | 300    |
|-----|-------|-------|-------|-------|-------|--------|--------|--------|
| D   | 165   | 185   | 200   | 220   | 285   | 340    | 405    | 460    |
| D1  | 125   | 145   | 160   | 180   | 240   | 295    | 355    | 410    |
| n-d | 4-Ø19 | 4-Ø19 | 8-Ø19 | 8-Ø19 | 8-Ø23 | 12-Ø23 | 12-Ø28 | 12-Ø28 |
| H   | 330   | 365   | 365   | 387   | 465   | 495    | 525    | 587    |
| SØ  | 94    | 94    | 94    | 94    | 135   | 160    | 200    | 250    |
| Kgs | 16.0  | 20.0  | 22.5  | 50.0  | 55.0  | 68.0   | 75.0   | 96.0   |

| N. | Part Name | Materials                              |
|----|-----------|--|
| 1  | Body      | Ductile Iron - BS EN1563               |
| 2  | Ball      | Stainless Steel - EN10213 GX5CrNi19-10 |
| 3  | Sleeve    | Ductile Iron - BS EN1563               |
| 4  | Seat      | NBR - EN681                            |
| 5  | Bearing   | Brass - EN12166                        |
| 6  | Plug      | Brass - EN12166                        |
| 7  | Guide     | Stainless Steel - EN10213 GX5CrNi19-10 |
| 8  | Nut       | Brass - EN12166                        |
| 9  | Stem      | Brass - EN12166                        |
| 10 | Bolt      | Stainless Steel - BS970 304S15         |
| 11 | Washer    | NBR - EN681                            |
| 12 | Bonnet    | Ductile Iron - BS EN1563               |
| 13 | Bush      | Brass - EN12166                        |
| 14 | Cover     | Ductile Iron - BS EN1563               |

### Technical Data

Max Pressure 16 Bar  
 Working Temperature 0°C to +80°C

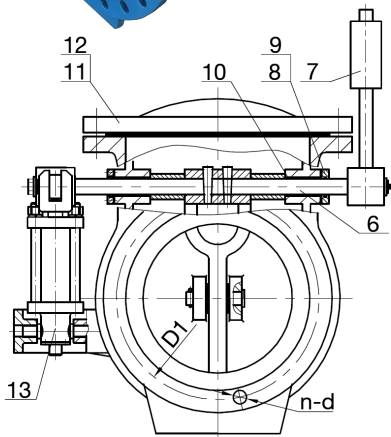
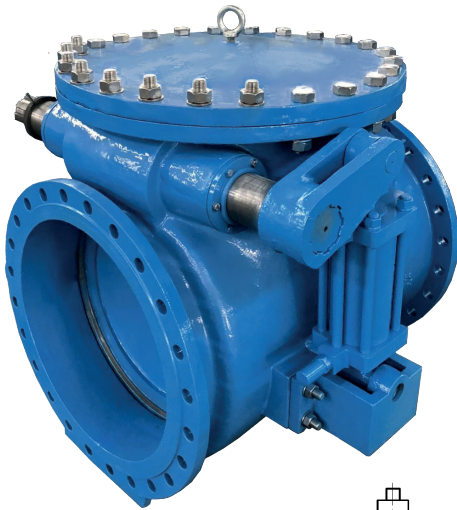
Dimensions in mm

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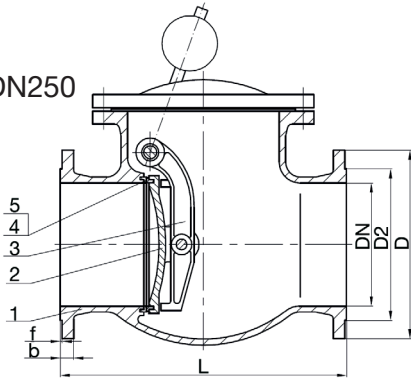
## PN16 Ductile Iron Swing Check Valve, Lever, Weight & Damper

### Features

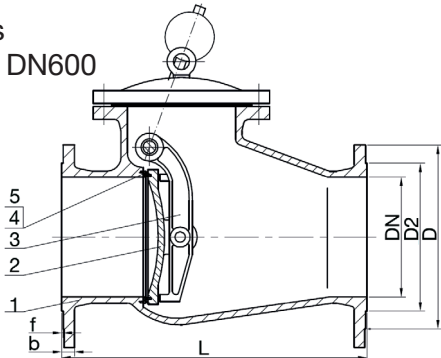
- Flange Mounting PN16 Only
- Flange conforms to BS EN1092 PN16
- Sizes DN80-400 conform to BS 5153 (BS EN558-1 Series 10)
- Fusion bonded Epoxy coat finish



For sizes  
DN80 - DN250



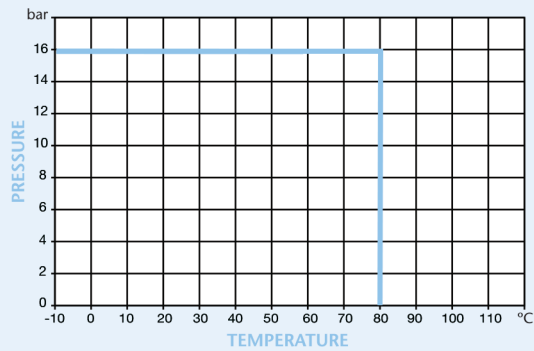
For sizes  
DN300 - DN600



### Technical Data

|                     |                |
|---------------------|----------------|
| Max Pressure        | 16 Bar         |
| Working Temperature | -10°C to +80°C |

### Pressure/Temperature

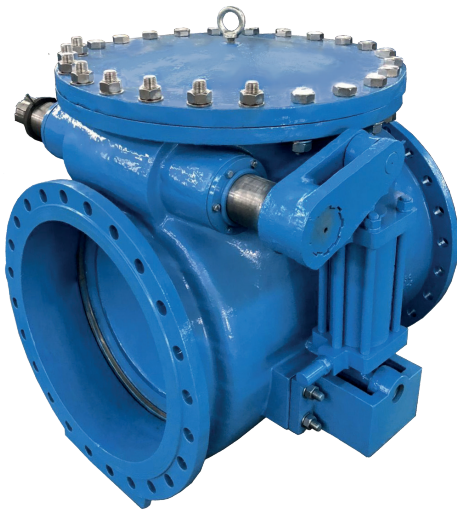


|     | 80   | 100  | 125  | 150  | 200   | 250   | 300   | 350   | 400   | 450   | 500   | 600   |
|-----|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|
| L   | 241  | 292  | 330  | 356  | 495   | 622   | 698   | 787   | 914   | 965   | 1067  | 1219  |
| D   | 200  | 220  | 250  | 285  | 340   | 405   | 460   | 520   | 580   | 640   | 715   | 840   |
| D1  | 160  | 180  | 210  | 240  | 295   | 355   | 410   | 470   | 525   | 585   | 650   | 770   |
| D2  | 132  | 156  | 184  | 211  | 266   | 319   | 370   | 429   | 480   | 548   | 609   | 720   |
| b   | 19   | 19   | 19   | 19   | 20    | 22    | 24.5  | 26.5  | 28    | 30    | 31.5  | 36    |
| n-d | 8-19 | 8-19 | 8-19 | 8-23 | 12-23 | 12-28 | 12-28 | 16-28 | 16-31 | 20-31 | 20-34 | 20-37 |
| f   | 3    | 3    | 3    | 3    | 3     | 3     | 4     | 4     | 4     | 4     | 4     | 5     |
| Kgs | 28   | 45   | 69   | 86   | 180   | 272   | 340   | 462   | 598   | 722   | 900   | 1370  |

| N. | Part Name         | Materials                   |
|----|-------------------|-----------------------------|
| 1  | Body              | Ductile Iron - EN-GJS:500-7 |
| 2  | Disc              | Ductile Iron - EN-GJS:500-7 |
| 3  | Rocker            | Ductile Iron - EN-GJS:500-7 |
| 4  | Disc Sealing Ring | Gunmetal - LG2              |
| 5  | Body Sealing Ring | Gunmetal - LG2              |
| 6  | Shaft             | Stainless Steel - SS420     |
| 7  | Lever & Weight    |                             |
| 8  | Cover             | Ductile Iron - EN-GJS:500-7 |
| 9  | O-Ring            | EPDM                        |
| 10 | Bushes            | Stainless Steel + PTFE      |
| 11 | Bonnet            | Ductile Iron - EN-GJS:500-7 |
| 12 | O-Ring            | EPDM                        |
| 13 | Damping Cylinder  |                             |

Dimensions in mm

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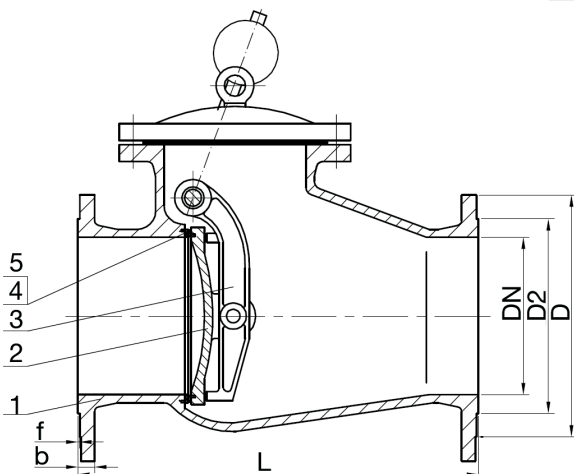
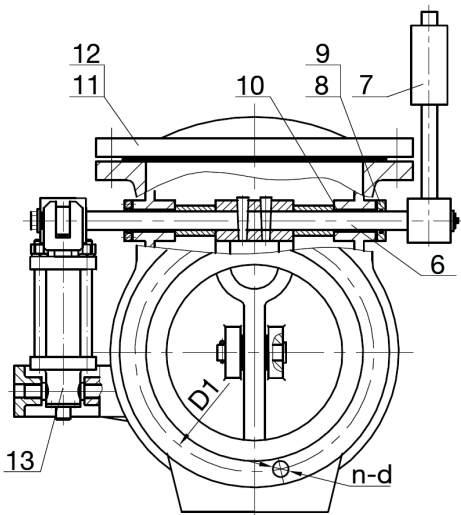
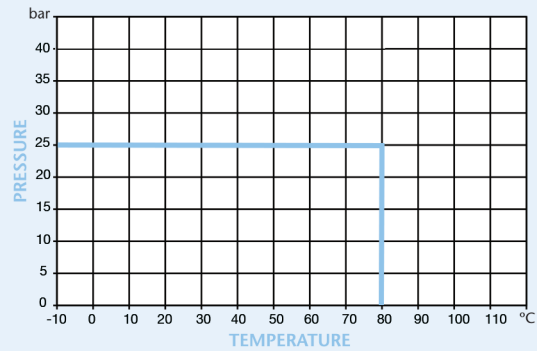


## PN25 Ductile Iron Swing Check Valve, Lever, Weight & Damper

### Features

- Flange Mounting to PN25 Only
- Flange conforms to BS EN1092 PN25
- Face to face conforms with DIN 3202 F6
- Fusion bonded Epoxy coat finish

### Pressure/Temperature



|     | 300   | 350   | 400   | 450   | 500   | 600   |
|-----|-------|-------|-------|-------|-------|-------|
| L   | 700   | 800   | 900   | 1000  | 1100  | 1300  |
| D   | 485   | 555   | 620   | 670   | 730   | 845   |
| D1  | 430   | 490   | 550   | 600   | 660   | 770   |
| D2  | 389   | 448   | 503   | 548   | 609   | 720   |
| B   | 27.5  | 30    | 32    | 34.5  | 36.5  | 42    |
| f   | 4     | 4     | 4     | 4     | 4     | 5     |
| n-d | 16-31 | 16-34 | 16-37 | 20-37 | 20-37 | 20-41 |
| Kgs | 353   | 491   | 622   | 738   | 915   | 1430  |

| N. | Part Name         | Materials                   |
|----|-------------------|-----------------------------|
| 1  | Body              | Ductile Iron - EN-GJS:500-7 |
| 2  | Disc              | Ductile Iron - EN-GJS:500-7 |
| 3  | Rocker            | Ductile Iron - EN-GJS:500-7 |
| 4  | Disc Sealing Ring | Gunmetal - LG2              |
| 5  | Body Sealing Ring | Gunmetal - LG2              |
| 6  | Shaft             | Stainless Steel - SS420     |
| 7  | Lever & Weight    |                             |
| 8  | Cover             | Ductile Iron - EN-GJS:500-7 |
| 9  | O-Ring            | EPDM                        |
| 10 | Bushes            | Stainless Steel + PTFE      |
| 11 | Bonnet            | Ductile Iron - EN-GJS:500-7 |
| 12 | O-Ring            | EPDM                        |
| 13 | Damping Cylinder  |                             |

### Technical Data

Max Pressure 25 Bar  
Working Temperature -10°C to +80°C

Dimensions in mm

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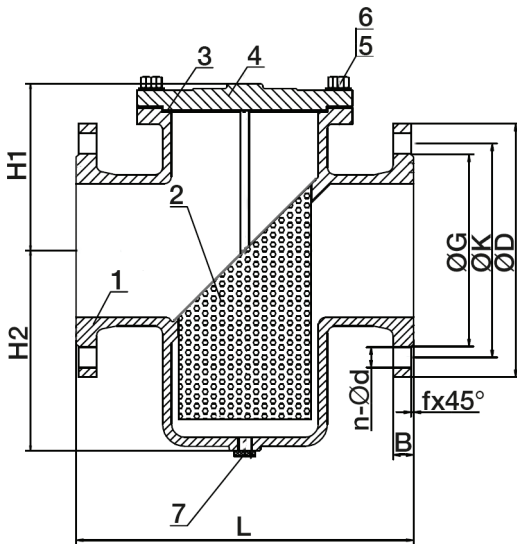
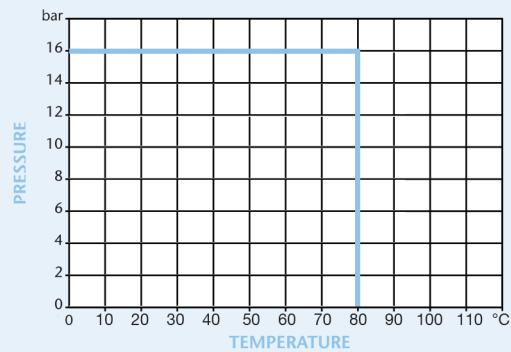
## PN16 Ductile Iron Single Basket Strainer



### Features

- Flange Mounting PN16 Only
- Flange conforms to BS EN1092 PN16
- Stainless Steel Screen and Drain
- Fusion Bonded Epoxy Coat Finish

### Pressure/Temperature



|      | 40   | 50   | 65   | 80   | 100  | 125  | 150  | 200   |
|------|------|------|------|------|------|------|------|-------|
| L    | 207  | 207  | 210  | 251  | 292  | 334  | 378  | 475   |
| D    | 150  | 165  | 185  | 200  | 220  | 250  | 285  | 340   |
| K    | 110  | 125  | 145  | 160  | 180  | 210  | 240  | 295   |
| G    | 88   | 100  | 119  | 135  | 156  | 186  | 212  | 268   |
| B    | 19   | 19   | 19   | 19   | 19   | 19   | 19   | 20    |
| f    | 3    | 3    | 3    | 3    | 3    | 3    | 3    | 3     |
| n-Ød | 4-19 | 4-19 | 4-19 | 8-19 | 8-19 | 8-19 | 8-23 | 12-23 |
| H1   | 114  | 114  | 129  | 142  | 165  | 173  | 165  | 215   |
| H2   | 98   | 98   | 112  | 125  | 160  | 185  | 235  | 295   |

|      | 250   | 300   | 350   | 400   | 450   | 500   | 600   |
|------|-------|-------|-------|-------|-------|-------|-------|
| L    | 511   | 667   | 769   | 842   | 890   | 900   | 1000  |
| D    | 405   | 460   | 520   | 580   | 640   | 715   | 840   |
| K    | 355   | 410   | 470   | 525   | 585   | 650   | 770   |
| G    | 318   | 373   | 433   | 483   | 546   | 605   | 710   |
| B    | 22    | 24.5  | 26.5  | 28    | 30    | 31.5  | 36    |
| f    | 3     | 3     | 4     | 4     | 4     | 4     | 5     |
| n-Ød | 12-28 | 12-28 | 16-28 | 16-31 | 20-31 | 20-34 | 20-37 |
| H1   | 325   | 283   | 345   | 390   | 402   | 441   | 523   |
| H2   | 340   | 423   | 585   | 590   | 628   | 696   | 834   |

| N. | Part Name    | Materials               |
|----|--------------|-------------------------|
| 1  | Body         | Ductile Iron - GGG50    |
| 2  | Screen       | Stainless Steel - 304   |
| 3  | Cover Gasket | EPDM                    |
| 4  | Cover        | Ductile Iron - GGG50    |
| 5  | Bolt         | Stainless Steel - A2-70 |
| 6  | Bolt Nut     | Stainless Steel - A2-70 |
| 7  | Plug         | Stainless Steel - 304   |

### Technical Data

Maximum Pressure 16 Bar  
Working Temperature 0°C to +80°C

Dimensions in mm

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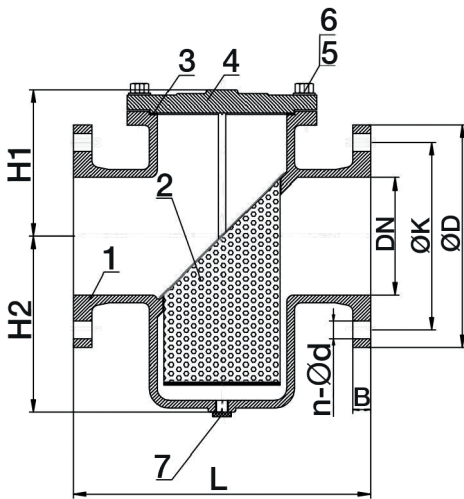
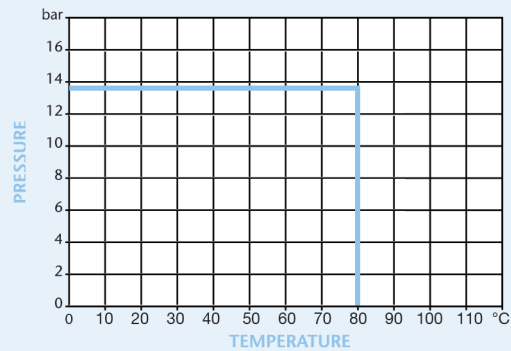
## ANSI 125 Ductile Iron Single Basket Strainer



### Features

- Flanged ANSI 125 (B16.5)
- Conforms to ANSI B16.10
- Stainless Steel Screen and Drain
- Fusion Bonded Epoxy Coat Finish

### Pressure/Temperature



|      | 1¼"  | 2"    | 2½"   | 3"    | 4"    | 5"    | 6"    | 8"    |
|------|------|-------|-------|-------|-------|-------|-------|-------|
| L    | 207  | 207   | 210   | 251   | 292   | 334   | 378   | 475   |
| D    | 127  | 152.4 | 177.8 | 190.5 | 228.6 | 254   | 279.4 | 342.9 |
| K    | 98.6 | 120.7 | 139.7 | 152.4 | 190.5 | 215.9 | 241.3 | 298.5 |
| B    | 17.5 | 19    | 22.2  | 23.8  | 23.8  | 23.8  | 25.4  | 28.5  |
| n-Ød | 4-16 | 4-19  | 4-19  | 4-19  | 8-19  | 8-22  | 8-22  | 8-22  |
| H1   | 114  | 114   | 129   | 142   | 165   | 173   | 165   | 215   |
| H2   | 98   | 98    | 112   | 125   | 160   | 185   | 235   | 295   |

|      | 10"   | 12"   | 14"   | 16"   | 18"   | 20"   | 24"   |
|------|-------|-------|-------|-------|-------|-------|-------|
| L    | 511   | 667   | 769   | 842   | 890   | 900   | 1000  |
| D    | 406.4 | 482.5 | 533.4 | 596.9 | 635   | 698.5 | 812.8 |
| K    | 362   | 431.8 | 476.3 | 539.8 | 577.9 | 635   | 749.3 |
| B    | 30.2  | 31.8  | 35    | 36.5  | 39.6  | 42.9  | 47.6  |
| n-Ød | 12-25 | 12-25 | 12-29 | 16-29 | 16-32 | 20-32 | 20-35 |
| H1   | 325   | 283   | 345   | 390   | 402   | 441   | 523   |
| H2   | 340   | 423   | 585   | 590   | 628   | 696   | 834   |

### Technical Data

Maximum Pressure 13.8 Bar  
 Working Temperature 0°C to +80°C

Dimensions in mm

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| N. | Part Name    | Materials                         |
|----|--------------|-----------------------------------|
| 1  | Body         | Ductile Iron - ASTM A536 65-45-12 |
| 2  | Screen       | Stainless Steel - 304             |
| 3  | Cover Gasket | EPDM                              |
| 4  | Cover        | Ductile Iron - ASTM A536 65-45-12 |
| 5  | Bolt         | Stainless Steel - A2-70           |
| 6  | Bolt Nut     | Stainless Steel - A2-70           |
| 7  | Plug         | Stainless Steel - 304             |



Certificate No. 1437B



Certificate No. 1437A

Distributor